ANNUAL O&M REPORT
REMEDIAL WORK ELEMENTS II AND IV
REPORTING PERIOD JANUARY 2014 THROUGH DECEMBER 2014

Malta Rocket Fuel Area Site
Malta, New York

January 2, 2015

Submitted to:

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CERTIFICATION: This document has been reviewed and is prepared in accordance with the contract documents.

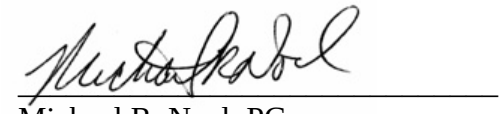

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TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

This operations and maintenance (O&M) report documents ongoing O&M activities conducted at the Malta Rocket Fuel Area (MRFA) Site, in the Town of Malta, New York.

This report has been prepared in accordance with the following documents:

- *Operations and Maintenance Manual, Remedial Work Element II, Groundwater, dated January 22, 1998 and prepared by ERM - Northeast, Inc.*, and *Addendum No. 1, January 31, 2005.*
- *Operation and Maintenance Manual, Remedial Work Element IV, Institutional Controls, dated September 9, 1999, revised September 27, 1999, prepared by IT Corporation, Inc., currently Shaw.*

This report covers all site activities performed at the Site, as required in each of the previously referenced documents, for the period from January 1, 2014 through December 31, 2014.

2.0 O&M OF REMEDIAL WORK ELEMENT II (Groundwater)

2.1 Sample Collection

During this reporting period, unfiltered groundwater samples were collected during two semi-annual sampling events in May and October, 2014 from the Early Warning Monitoring System (EWMS) in accordance with:

1. *Operations and Maintenance Manual for Remedial Work Element II - Ground Water, ERM Northeast, Inc.*, January 22, 1998, (O&M-GW),

2. *Second Five-Year Review Report, Malta Rocket Fuel Area Superfund Site, United States Environmental Protection Agency (EPA),* September 24, 2004, including a table titled *"Proposed Modifications to Groundwater and Surface Water Sampling Regimes at the Malta Rocket Fuel Area Site"*, a letter from GE to the USEPA dated October 26, 2004,

3. *Addendum No. 1, Operations and Maintenance Manual, Remedial Work Element II-Groundwater, Malta Rocket Fuel Area Site, General Electric Company,* January 31, 2005,

4. *Third Five-Year Review Report, Malta Rocket Fuel Area Superfund Site, EPA*, August 27, 2009,

5. EPA letter dated December 1, 2011, *Modification to the Groundwater Monitoring Program* and subsequent correspondence with General Electric Company,

6. EPA letter dated June 5, 2013, *Modification to Consent Decree 98-CV-0014*, and

7. *Fourth Five-Year Review Report, Malta Rocket Fuel Area Superfund Site, United States Environmental Protection Agency (EPA),* July 31, 2014.

According to the documents referenced above, the following samples were collected May 13th and 14th, 2014 to evaluate groundwater conditions:

- Samples were collected from monitoring wells DGC-3S, DGC-4S, 10S, 11D, 13S, 13D, MW-1, MW-4, M-24DR, M-25D, M-26S, M-26D, M-27D, M-28S and M-29D and analyzed for volatile organic compounds (VOC) and Trichloroethene (TCE) breakdown product ethane (**Figure 1**).

- Samples were collected from surface water locations SW-A, SW-B, SW-D, SW-E, SW-F and SW-G and analyzed for VOC's and TCE breakdown product ethane.
- Samples from wells 13D, M-27D and surface water SW-B were analyzed for unfiltered total chromium and unfiltered hexavalent chromium.
- A blind duplicate sample was collected from well M-27D for VOCs, chromium, and hexavalent chromium. A second blind duplicate sample was collected from well M-28S for VOCs.

Designated sampling locations were analyzed by ALS Environmental in Rochester, New York for VOCs according to USEPA Method OLC-02.1, ethane by Method RSK 175, total chromium by Method 6010C and hexavalent chromium by Method 7196A.

According to the documents referenced above, the following samples were collected October 8th through 13th, 2014 to evaluate groundwater conditions:

- Samples were collected from monitoring wells DGC-3S, DGC-4S, 4S, 4D, 10S, 11D, 13S, 13D, MW-1, MW-4, M-24DR, M-25S, M-25D, M-26S, M-26D, M-27D, M-28S M-28D M-29S and M-29D and analyzed for volatile organic compounds (VOC) and Trichloroethene (TCE) breakdown product ethane (**Figure 1**).
- Samples were collected from surface water locations SW-A, SW-B, SW-D, SW-E, SW-F and SW-G and analyzed for VOC's and TCE breakdown product ethane.
- Samples from wells 13D, M-27D and surface water SW-B were analyzed for unfiltered total chromium and unfiltered hexavalent chromium.
- A blind duplicate sample was collected from well M-27D for VOCs, chromium, and hexavalent chromium. A second blind duplicate sample was collected from well M-28S for VOCs.

Designated sampling locations were analyzed by ALS Environmental in Rochester, New York for VOCs according to USEPA Method OLC-02.1, and ethane by Method RSK 175 and by Pace Analytical Services in Schenectady, New York for total chromium by Method 6010C and hexavalent chromium by Method 7196A.

Results of the May and October 2014 semi-annual EWMS sampling event are summarized in **Tables 1A and 1B**, respectively. The laboratory reports are presented in **Appendix A**. The data validation reports are included in **Appendix B**. A summary of analytical results from 1987 through this reporting period for samples collected at locations currently included in the EWMS sampling program is provided in **Tables 2**, **3**, and **4**. In accordance with the O&M-GW, time versus concentration plots for carbon tetrachloride at monitoring well M-27D are included as

Figure 2. **Figure 3** includes a comparison of simulated versus observed concentrations of carbon tetrachloride at monitoring well M-27D.

2.2 Chromium Analytical Results

May 2014

Chromium was detected in monitoring well 13D at a concentration of 63.5 µg/l, in well M-27D at an estimated concentration of 1.3 J µg/l (1.2 J µg/l duplicate) and at location SW-B at an estimated concentration of 0.77 J µg/l No detectable concentrations of hexavalent chromium were reported at the method detection limit for all sample locations (13D, M-27D, SW-B) during the reporting period. The New York State Ground Water Standard (NYSGWS) for total chromium and hexavalent chromium is 50 µg/l.

October 2014

No detectable concentrations of unfiltered total chromium and hexavalent chromium were reported at the method detection limit for any sample locations (13D, M-27D, SW-B) during the reporting period. The New York State Ground Water Standard (NYSGWS) for total chromium and hexavalent chromium is 50 µg/l.

2.3 VOC Analytical Results

May 2014

Carbon tetrachloride was detected in monitoring wells 10S, 11D, 13S, M-25D, M-27D, M-28S and M-29D, at concentrations of 1.1 µg/l, 6.2 µg/l, 4.0 µg/l, 23 µg/l, 5.1 (4.7 Dup) µg/l, 2.4 (6.2 Dup) µg/l, and 20 µg/l, respectively. In addition, carbon tetrachloride was detected at estimated concentrations in monitoring wells 13D, and M-24DR at 0.26 µg/l and 0.51 µg/l, respectively. All other sample locations were non-detect for carbon tetrachloride during the reporting period. The time versus concentration plot for carbon tetrachloride in well M-27D is presented in **Figure 2**. The NYSGWS for carbon tetrachloride is 5 µg/l.

Chloroform was detected at estimated concentrations in monitoring wells 10S, 11D, M-25D, M-26S, M-27D, M-28S and M-29D at concentrations of 0.48 µg/l, 0.49 µg/l, 0.93 µg/l, 0.16 µg/l, 0.49 (0.45 Dup) µg/l, 0.19 (0.56 Dup) µg/l and 0.55 µg/l, respectively. The NYSGWS for chloroform is 7 µg/l. All other sample locations were non-detect for chloroform during the reporting period.

TCE was detected in monitoring wells 11D, 13S, M-24DR, M-25D, M-27D, M-28S, and M-29D at concentrations of 1.6 µg/l, 2.8 µg/l, 1.7 µg/l, 57 µg/l, 5.0 (5.5 Dup) µg/l, 4.4 (1.7 Dup) µg/l and 23 µg/l respectively. In addition, TCE was detected at an estimated concentration at surface water location SW-B at 0.12 µg/l. The NYSGWS for TCE is 5 µg/l. TCE was not detected at the

other sample locations during this reporting period.

October 2014

Carbon tetrachloride was detected in monitoring wells 11D, 13S, M-25S, M-25D, M-27D, M-28S, M-28D, M-29S and M-29D, at concentrations of, 6.4 µg/l, 3.1 µg/l, 25 µg/l, 22 µg/l, 4.2 (5.9 Dup) µg/l, 4.3 (4.2 Dup) µg/l, 3.7 µg/l, and 10 (17 Dup) µg/l, respectively. In addition, carbon tetrachloride was detected at estimated concentrations in monitoring wells 10S, 13D, and M-24DR at 0.95 µg/l, 0.63 µg/l, and 0.60 µg/l respectively. All other sample locations were non-detect for carbon tetrachloride during the reporting period. The time versus concentration plot for carbon tetrachloride in well M-27D is presented in **Figure 2**. The NYSGWS for carbon tetrachloride is 5 µg/l.

Chloroform was detected in monitoring well M-25S at a concentration of 4.2 µg/l. In addition, chloroform was detected at estimated concentrations in monitoring wells 10S, 11D, M-25D, M-27D, M-28S M-28D, M-29S and M-29D at concentrations of 0.36 µg/l, 0.67 µg/l, 1.0 µg/l, 0.5 (0.76 Dup) µg/l, 0.3 (0.24 Dup) µg/l, 0.27 µg/l, 0.84 µg/l, and 0.51 µg/l, respectively. The NYSGWS for chloroform is 7 µg/l. All other sample locations were non-detect for chloroform during the reporting period.

TCE was detected in monitoring wells 11D, 13S, M-24DR, M-25S, M-25D, M-27D, M-28S, M-28D, M-29S, and M-29D at concentrations of 1.2 µg/l, 2.3 µg/l, 1.9 µg/l, 8.8 µg/l, 55 µg/l, 4.4 (4.2 Dup) µg/l, 9.1 (9.3 Dup) µg/l 2.7 µg/l, 14 µg/l and 23 µg/l respectively. In addition, TCE was detected at estimated concentrations in monitoring well M-26S and surface water location SW-B at 0.59 µg/l and 1.1 µg/l, respectively. The NYSGWS for TCE is 5 µg/l. TCE was not detected at the other sample locations during this reporting period.

2.4 Comparison of Observed VOC Concentrations to Simulation Results

Carbon tetrachloride concentrations detected during this monitoring period were compared to the results from the contaminant fate and transport modeling reported in Appendix A of the O&M-GW. The comparison was performed for carbon tetrachloride in monitoring well M-27D (**Figure 3**). As shown in **Figure 3**, the simulated carbon tetrachloride results are higher than the observed concentrations.

3.0 INSTITUTIONAL CONTROLS

O&M activities for remedial Work Element IV, Institutional Controls, are conducted on an annual basis. Visual inspections of the Environmental Restriction Zone (ERZ) are conducted during each of the semi-annual groundwater sampling events. The property owners are interviewed regarding known activities being performed within the ERZ on an annual basis (Fall).

3.1 Sampling and Survey Results

On October 8th through 13th, 2014, as part of the semi-annual EWMS sampling program, site conditions in the environmental restriction zone ERZ were inspected to determine if any changes or property development occurred, specifically the installation of new groundwater wells. The inspections were conducted in the following areas of the site:

- Proximate to the surface water sampling locations and monitoring well locations, as well as long the access roads and wooded paths leading to these locations
- Proximate to building 15 at the MRFA site

3.2 Interviews with Property Owners

Interviews were conducted with the following representatives regarding the ERZ:

- Kevin Hunt representing New York State Energy Research and Development Authority (NYSERDA) was interviewed on October 15, 2014.
- Patrick Hewlett representing Global Foundries provided a completed interview form via email on November 14, 2014.
- Mike Relyea representing Luther Forest Technology Campus Economic Development Corporation (LFTCDC) was interviewed on December 9, 2014.
- Tony Tozzi representing the Town of Malta provided a completed interview form via email on December 9, 2014.

Interview logs documenting the conversation with each of the property representatives are included in **Appendix C**.

Mr. Hunt from the NYSERDA stated that he was not aware of any new groundwater usage, or other actions within the ERZ. Mr. Hunt also stated that NYSERDA had not provided other

interested parties the Environmental Restriction Easements and the Declaration of Restrictive Covenants.

Mr. Hewlett from Global Foundries stated that he was not aware of any new groundwater usage within the ERZ. Mr. Hewlett indicated that the site is currently being developed and additional buildings constructed and that there was no exposure or work within groundwater. Mr. Hewlett also indicated that a temporary stone parking lot has been constructed on the eastern end of the MRFA site.

Mr. Relyea from LFTCDC stated that he was not aware of any new groundwater usage within the ERZ, but that they anticipated leasing property as a laydown area for Global Foundries suppliers. Mr. Relyea also stated that the Environmental Restriction Easements and the Declaration of Restrictive Covenants information had been provided to a lease.

Mr. Tozzi from the Town of Malta stated that he was not aware of any new groundwater usage, within the ERZ. Mr. Tozzi indicated that the Luther Forest Technology Campus Economic Development Corporation and Global Foundries are co-applicants that have requested amendments to the Planned Development District titled "Luther Forest Technology Campus PDD"

4.0 SUMMARY

4.1 Early Warning Monitoring System (EWMS)

The analytical results from this reporting period are summarized as follows:

- Chromium was detected in monitoring well 13D at a concentration of 63.5 µg/l during the May, 2014 sampling event but was not detected in the October, 2014 sampling event. Hexavalent chromium was not detected at the any of the sample locations during either sampling events. The NYSGWS for chromium is 50 µg/l.
- In May, 2014, carbon tetrachloride was detected in monitoring wells 10S, 11D, 13S, M-25D, M-27D, M-28S and M-29D, at concentrations of 1.1 µg/l, 6.2 µg/l, 4.0 µg/l, 23 µg/l, 5.1 µg/l, 2.4 µg/l, and 20 µg/l, respectively. In October, 2014, carbon tetrachloride was detected in monitoring wells 11D, 13S, M-25S, M-25D, M-27D, M-28S, M-28D, M-29S and M-29D, at concentrations of, 6.4 µg/l, 3.1 µg/l, 25 µg/l, 22 µg/l, 4.2 µg/l, 4.3 µg/l, 3.7 µg/l, and 10 µg/l, respectively. All other sample locations contained either estimated concentrations or were non-detect for carbon tetrachloride during the reporting periods. The NYSGWS for carbon tetrachloride is 5 µg/l.
- In May, 2014 chloroform was detected at estimated concentrations in monitoring wells 10S, 11D, M-25D, M-26S, M-27D, M-28S and M-29D at concentrations of 0.48 µg/l, 0.49 µg/l, 0.93 µg/l, 0.16 µg/l, 0.49 µg/l, 0.19 µg/l and 0.55 µg/l, respectively. In October, 2014, chloroform was detected in monitoring well M-25S at a concentration of 4.2 µg/l. All other sample locations contained either estimated concentrations or were non-detect for chloroform during the reporting periods. The NYSGWS for chloroform is 7 µg/l.
- In May, 2014, TCE was detected in monitoring wells 11D, 13S, M-24DR, M-25D, M-27D, M-28S, and M-29D at concentrations of 1.6 µg/l, 2.8 µg/l, 1.7 µg/l, 57 µg/l, 5.0 µg/l, 4.4 µg/l and 23 µg/l respectively. In October, 2014, TCE was detected in monitoring wells 11D, 13S, M-24DR, M-25S, M-25D, M-27D, M-28S, M-28D, M-29S, and M-29D at concentrations of 1.2 µg/l, 2.3 µg/l, 1.9 µg/l, 8.8 µg/l, 55 µg/l, 4.4 µg/l, 9.1 µg/l 2.7 µg/l, 14 µg/l and 23 µg/l respectively. All other sample locations contained either estimated concentrations or were non-detect for TCE during the reporting periods. The NYSGWS for TCE is 5 µg/l.
- As shown i**n Figure 3**, simulated concentrations of carbon tetrachloride are much higher than the observed concentrations. The NYSGWS for carbon tetrachloride is 5 µg/l.

4.2 Institutional Controls

Although several property owners reported knowledge of construction activities within the ERZ, none of the property owners have knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone.

Tables

TABLE 1A

MAY 2014 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	DGC-3S	DGC-4S	10S	11D	13S	13D	MW-1	MW-4	M-24DR	M-25D	M-26S	M-26D	M-27D	M-27D DUP-2	M-28S	M-28S DUP	M-29D
Acetone	50	**1.7 J**	5.0 UJ	**3.8 J**	**1.1 J**	5.0 UJ	**1.4 J**	**1.3 J**	5.0 UJ	**1.5 J**	**3.7 J**	**1.8 J**	**1.7 J**	5.0 UJ	5.0 UJ	**2.6 J**	**1.3 J**	5.0 U
Carbon Disulfide	None*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.15 J**
Carbon Tetrachloride	5	1.0 U	1.0 U	**1.1**	**6.2**	**4.0**	**0.26 J**	1.0 U	1.0 U	**0.51 J**	**23**	1.0 U	1.0 U	**5.1**	**4.7**	**2.4**	**6.2**	**20**
Chloroform	7	1.0 U	1.0 U	**0.48 J**	**0.49 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.93 J**	**0.16 J**	1.0 U	**0.49 J**	**0.45 J**	**0.19 J**	**0.56 J**	**0.55 J**
2-Butanone	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	13.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Trichloroethene	5	1.0 U	1.0 U	1.0 U	**1.6**	**2.8**	1.0 U	1.0 U	1.0 U	**1.7**	**57**	1.0 U	1.0 U	**5**	**5.5**	**4.4**	**1.7**	**23 D**
Trichlorofluoromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**3.8**
1,1-Dichloroethene	NP	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.21 J**
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	50*	NA	NA	NA	NA	NA	**63.5**	NA	NA	NA	NA	NA	NA	**1.3 J**	**1.2 J**	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	10 U	NA	NA	NA
Ethane	NP	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Field Parameters																		
pH	--	8.51	7.31	7.24	7.50	7.19	7.44	7.78	7.48	11.09	7.47	6.51	7.35	7.01	--	7.23	--	7.4
Temperature (celsius)	--	7.27	9.41	10.88	9.5	10.03	10.31	10.45	9.68	11.68	10.35	11.38	11.19	10.89	--	10.9	--	10.02
Conductivity (umhos/cm)	--	0.069	0.505	0.372	0.319	0.407	0.299	0.242	0.151	0.499	0.398	1.151	0.313	0.446	--	0.31	--	0.379
Dissolved Oxygen (mg/L)	--	8.48	1.94	4.34	10.57	15.19	11.57	13.41	14.16	8.80	9.22	4.11	8.10	10.06	--	9.59	--	9.26
Turbidity (NTUs)	--	11.1	10.3	90.4	17	17.0	36.8		22.1	7.9	17.4	44.7	96.7	7.1	--	10.5	--	11.3
Depth To Water (feet)	--	11.02	4.64	39.80	30.39	33.19	31.74	42.75	29.75	37.21	29.24	19.96	27.75	34.07	--	50.52	--	44.88
Ground Water Elevation (feet)	--	201.58	199.26	289.74	285.54	296.07	297.53	298.16	296.71	283.36	285.22	NC	NC	287.51	--	291.72	--	289.78

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb))unless otherwise noted.
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).
7. DIL - Indentifies all compounds analyzed at a secondary dilution factor.
8. NC - Well risers previously reduced in height, new elevation survey required.

* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.

TABLE 1A

MAY 2014 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	SW-A	SW-B	SW-D	SW-E	SW-F	SW-G
Acetone	50	5.0 UJ	5.0 UJ	**1.4 J**	5.0 UJ	**1.2 J**	5.0 UJ
Carbon Disulfide	None*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Trichloroethene	5	1.0 U	**0.12 J**	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	NP	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	50*	NA	**0.77 J**	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	10 U	NA	NA	NA	NA
Ethane	NP	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Field Parameters							
pH	--	8.09	8.09	7.58	7.66	7.97	8.20
Temperature (celsius)	--	11.65	12.56	11.06	10.8	10.16	11.36
Conductivity (umhos/cm)	--	0.393	0.419	0.571	0.488	0.416	0.375
Dissolved Oxygen (mg/L)	--	9.53	12.59	8.92	7.64	6.18	9.36
Turbidity (NTUs)	--	6.3	13.8	7.0	2.3	9	7.6
Depth To Water (feet)	--	--	--	--	--	--	--
Ground Water Elevation (feet)	--	--	--	--	--	--	--

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb))unless otherwise noted.
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).
7. DIL - Indentifies all compounds analyzed at a secondary dilution factor.
8. NC - Well risers previously reduced in height, new elevation survey required.

* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.

TABLE 1B

OCTOBER 2014 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	DGC-3S	DGC-4S	4S	4D	10S	11D	13S	13D	MW-1	MW-4	M-24DR	M-25S	M-25S DIL	M-25D	M-26S	M-26D	M-27D
Acetone	50	**1.2 J**	5.0 U	5.0 U	5.0 U	**2.5 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.4 J**	10 U	5.0 U	**3.9 J**	5.0 U	5.0 U	5.0 U
Carbon Disulfide	None*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	**0.95 J**	**6.4**	**3.1**	**0.63 J**	1.0 U	1.0 U	**0.6 J**	**28 E**	**25 D**	**22**	1.0 U	1.0 U	**4.2**
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	**0.36 J**	**0.67 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**3.9 D**	**4.2**	**1.0 J**	1.0 U	1.0 U	**0.5 J**
2-Butanone	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	13 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.2**	**2.3**	1.0 U	1.0 U	1.0 U	**1.9**	**7.8 D**	**8.8**	**55**	**0.59 J**	1.0 U	**4.4**
Trichlorofluoromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	NP	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	1.0 U	1.0 U	**1.5**
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	40.0 U	NA	NA	NA	NA	NA	NA	NA	NA	40.0 U
Ethane	NP	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Field Parameters																		
pH	--	6.35	7.60	7.69	8.31	7.41	7.95	7.72	8.10	7.93	8.02	12.01	8.08	--	7.8	7.6	7.18	7.55
Temperature (celsius)	--	10.59	10.75	9.20	9.07	12.1	9.63	9.57	9.66	11.25	10.07	11.46	11.92	--	10.73	12.5	11.93	10.46
Conductivity (umhos/cm)	--	0.160	0.735	0.482	0.312	0.598	0.349	0.458	0.338	0.272	0.233	0.922	0.457	--	0.402	1.570	0.332	0.482
Dissolved Oxygen (mg/L)	--	7.88	6.8	11.02	4.07	2.55	11.76	11.70	9.56	7.54	6.81	12.42	3.89	--	8.99	2.61	7.68	5.68
Turbidity (NTUs)	--	18.4	15.3	55.6	305.0	458	35.4	8.0	158	350	34.2	0.0	23.8	--	1.4	219.0	13.5	0.7
Depth To Water (feet)	--	14.90	8.90	39.30	37.75	34.90	29.25	33.40	37.40	42.55	27.95	36.55	28.70	--	29.20	20.50	27.80	33.95
Ground Water Elevation (feet)	--	197.70	195.00	289.78	289.80	294.64	286.68	295.86	291.87	298.36	298.51	284.02	285.40	--	285.26	NC	NC	287.63

Notes:

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2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).
7. DIL - Indentifies all compounds analyzed at a secondary dilution factor.
8. NC - Well risers previously reduced in height, new elevation survey required.

* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.

TABLE 1B

OCTOBER 2014 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	M-27D DUP-2	M-28S	M-28S DUP	M-28D	M-29S	M-29D	SW-A	SW-B	SW-D	SW-E	SW-F	SW-G
Acetone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.9 J**	**1.7 J**	**1.5 J**	5.0 U	5.0 U	5.0 U
Carbon Disulfide	None*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	**5.9**	**4.3**	**4.2**	**3.7**	**10**	**17**	1.0 U	**0.11 J**	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	**0.76 J**	**0.3 J**	**0.24 J**	**0.27 J**	**0.84 J**	**0.51 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	**4.2**	**9.1**	**9.3**	**2.7**	**14**	**23**	1.0 U	**0.11 J**	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	**1.2**	**3.3**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	NP	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.13 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	**1.6**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	50*	5.0 U	NA	NA	NA	NA	NA	NA	5.0 U	NA	NA	NA	NA
Hexavalent Chromium	50*	40.0 U	NA	NA	NA	NA	NA	NA	40.0 U	NA	NA	NA	NA
Ethane	NP		1.0 U		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Field Parameters													
pH	--	--	7.8	--	7.66	7.76	7.91	7.9	8.21	7.97	7.95	7.60	8.26
Temperature (celsius)	--	--	10.85	--	10.74	9.99	10.56	15.5	15.5	15.5	15.5	16.7	16.7
Conductivity (umhos/cm)	--	--	0.417	--	0.361	0.487	0.381	0.421	0.483	0.293	0.454	0.425	0.421
Dissolved Oxygen (mg/L)	--	--	9.18	--	5.3	8.6	9.57	7.64	6.71	8.53	10.32	8.8	6.85
Turbidity (NTUs)	--	--	28.1	--	8.7	53	3.1	NA	NA	NA	NA	NA	NA
Depth To Water (feet)	--	--	50.4	--	50.75	42.5	44.60	--	--	--	--	--	--
Ground Water Elevation (feet)	--	--	291.84	--	292.10	292.00	290.06	--	--	--	--	--	--

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb))unless otherwise noted.
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).
7. DIL - Indentifies all compounds analyzed at a secondary dilution factor.
8. NC - Well risers previously reduced in height, new elevation survey required.

* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.

TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	6/29-7/1/1987	7/31/87	11/5/87	1/19-1/20/1988	4/18-4/19/1988	7/20-7/21/1988	10/11-10/12/88	1/19-1/20/89	4/10/89	7/12/89	8/15/1989
DGC-3S												
Benzene	0.7*	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	<0.005 mg/L	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
DGC-4S												
Carbon Disulfide	None*	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Chromium	50*	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
13S												
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
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dp = Duplicate sample.
E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in December, 1990.
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** = Filtered Sample.
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TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	11/30/1989	5/30/90	8/28/90	12/6/90	4/8-4/10/1991	6/12-6/13/1991	9/23-9/24/1991	12/26-12/27/91	2/10-2/11/92	6/1-6/2/1992	9/28-9/29/1992
DGC-3S												
Benzene	0.7*	ND	ND	ND	ND	ND	ND	0.2 J	ND	ND/NDdp	ND	ND
Carbon Disulfide	None*	ND	ND	ND	NA	8 V / 7 Vdp	4	ND	ND	ND/NDdp	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	6.1	62.2E/70.3Edp	16.2/ND*, 14.6/ND*dp	25.2/ND*	ND
Hexavalent Chromium	50*	no data	NA	NA	NA	NA	NA	NA	NA	ND/4*/ND dp	NA	NA
DGC-4S												
Carbon Disulfide	None*	- -	- -	- -	- -	ND/0.5Vdp	ND	ND	ND	ND	ND	ND/ND dp
Chromium	50*	- -	- -	- -	- -	NA	NA	15.9	11.9 E	ND/ND*	ND/ND*	ND/ND dp
13S												
Benzene	0.7*	NA	NA	NA	NA	2	0.7/0.6 Jdp	1	ND	ND	ND	ND
Carbon Disulfide	None*	NA	NA	NA	NA	60 D	0.6	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NA	18/16 dp	6.4	4.4	8	24 J/24 Jdp	8	12	9	6 J	9
Chloroform	7	NA	ND	ND	ND	ND	0.8/0.9 Jdp	ND	0.4 J	0.3 J	ND	ND
Trichloroethene	5	NA	ND	ND	ND	ND	ND	0.4 J	0.9	0.6	ND	0.6
Trichlorofluoromethane	5*	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Chromium	50*	NA	NA	NA	NA	336 V	NA	269/261**	316 E/562 E**	282/498**	504/512**	179/172**
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	280	486/302**	260/310**	NA	287

Notes:
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TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	11/18-11/19/1992	3/17-3/18/1993	5/25-5/26/1993	8/24-8/25/1993	11/8-11/9/1993	2/22-2/23/1994	5/18-5/19/1994	8/24-8/25/1994	11/15-11/16/1994	5/23/1995	10/17/1995
DGC-3S												
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND V	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	0.8	ND	ND	ND V	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	33.6/ND*	18.5	4.3 B	4.7B	19.4	23.9	4.5 B	9.9 B	11.1	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None*	4 V	ND	0.3 J	0.2J	ND	ND	ND V/ND V dp	ND	ND	ND	ND
Chromium	50*	8.6 B	48.1/ND*	ND	3.3B	ND	31.2/ND*	ND/ND dp	5.6 B	ND	NA	NA
13S												
Benzene	0.7*	0.4 JV	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	NA	NA
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	NA	NA
Carbon Tetrachloride	5	16 V	15	10	17	18	20/9 dp	9	9	9	NA	NA
Chloroform	7	0.6 V	0.6	0.4 J	0.6	0.7	ND/ND dp	0.4 J	0.3 J	ND	NA	NA
Trichloroethene	5	1 V	2	0.6	ND	2	2/1 dp	0.8	1	0.9	NA	NA
Trichlorofluoromethane	5*	0.9 V	2	0.5	ND	2	2/1 dp	0.9	1	ND	NA	NA
Chromium	50*	585/576**	746/614**	198/609**	787/716**	572/610**	0/357** 567/357**	406/434**	133 V/157 V**	44.2 V/95.8 V**	140 J	52.7 J
Hexavalent Chromium	50*	493	663	460	800	560	530/540 dp	340	101	36	150	48

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TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
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JUNE 1987 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action											
DGC-3S	**Objective**	**5/14/1996**	**10/23/1996**	**6/2/1997**	**10/14/1997**	**5/28/1998**	**10/29/1998**	**5/11/1999**	**10/26/1999**	**5/22/2000**	**10/24/2000**	**5/15/2001**
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S												
Benzene	0.7*	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	NA	NA	1U	8	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	44.8	46.4	90.7/90.9**	71.4	71.2	98.6 J	72.4	169	249	29.9	136
Hexavalent Chromium	50*	47	47	97	67	51	54.0 J	71.0	178	262	41	12.3

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TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/23/2001	5/29/2002	10/29/2002	4/9/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	5/23/2006	10/16/2006
DGC-3S												
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S												
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Chromium	50*	43.3	13.4	34.8	52.2	49.4	20.1	NA	NS	NS	NS	NS
Hexavalent Chromium	50*	43.6 J	18	3.59	45	51.5	11	11.2	NS	NS	NS	NS

Notes:
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Only detected compounds are listed.
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ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
dp = Duplicate sample.
E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in December, 1990.
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** = Filtered Sample.
See RI report for additional data.

TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	5/14/2007	10/16/2007	5/15/2008	10/13/2008	5/13/2009	11/11/2009	5/19/2010	10/26/2010	5/18/2011	10/25-10/26-2011	5/22-5/24-2012
DGC-3S												
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20 J
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S												
Benzene	0.7*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
Carbon Disulfide	None*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4
Chloroform	7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.8
Trichlorofluoromethane	5*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
Chromium	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
Hexavalent Chromium	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA

Notes:
Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
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ND = Not detected.
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dp = Duplicate sample.
E = Estimated concentration: due to interference.
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V = Estimated concentration: due to variance to quality control limits.
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TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/23-10/24-2012	5/14-5/15-2013	10/16-10/17-2013	5/14-5/15-2014	10/8-10/13-2014
DGC-3S						
Benzene	0.7*	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA
DGC-4S						
Carbon Disulfide	None*	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA
13S						
Benzene	0.7*	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	4.1	3.8	3.7	4	3.1
Chloroform	7	ND	ND	ND	ND	ND
Trichloroethene	5	2.2	2.7	2.9	2.8	2.3
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA

Notes:
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Only detected compounds are listed.
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B = The reported value is less than the CRQL/CRDL but greater than the IDL.
dp = Duplicate sample.
E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in December, 1990.
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TABLE 3

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	6/5/1992	11/11/1992	3/14/1994	5/23/1995	10/17/1995	5/14/1996	10/23/1996	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999	10/26/1999
Carbon Disulfide	None*	ND	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J	ND / ND dp
Chloromethane	5	40	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND / ND dp
Chromium	50*	8.4 B/ND**	57.4/ND**	not sampled	ND	ND	ND	ND	ND	ND	ND	3.2 BJ	0.98B	0.85B/0.90b dp
Hexavalent Chromium	50*	NA	NA	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND / ND dp
M-27D														
Carbon Tetrachloride	5	75/62 dp	23	not sampled	33/42 dp	56	31	28	26	22	27	26 / 27 dp	20.3 / 20.1 dp	22.3
Chloroform	7	ND	3	not sampled	4/4 dp	5	3	3	3	2	3	2 / 2 dp	1.8 / 1.8 dp	1.8
Chloromethane	5	4 J/28 dp	ND	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND	ND / ND dp	ND
Trichloroethene	5											ND/ND dp	4.1/4.1 dp	10.7
Trichlorofluoromethane	5*	no data	no data	not sampled	no data	no data	no data	no data	no data	no data	no data	0.3 J / 0.3 J dp	0.92J / 0.99J dp	1.4
Chromium	50*	2.0 B/ND**	19.8/ND**	not sampled	ND/ND dp	ND	ND	ND	ND	1.2B	ND	4.6 BJ /	1.4 B /	0.81B
Hexavalent Chromium	50*	NA	NA	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND dp	ND / ND dp	ND
M-33S														
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-33I														
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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ND = Not detected.

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B = The reported value is less than the CRQL/CRDL but greater than the IDL.

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TABLE 3

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	5/22/2000	10/24/2000	5/15/2001	10/23/2001	5/29/2002	10/29/2002	4/15/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	5/23/2006
Carbon Disulfide	None*	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND J / ND J dp	ND	ND / 0.11 J dp	ND	NA	NA	NA	NA
Chloromethane	5	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND J / ND J dp	ND	ND / ND dp	ND	NA	NA	NA	NA
Chromium	50*	1.1B	1.2B	ND / ND dp	ND / ND dp	ND / ND dp	1.2 B	8.5 B	1.0 B / 1.8 B dp	83.1	2.6 B / 2.2 B dp	NA	NA	NA
Hexavalent Chromium	50*	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND / ND dp	ND UJ	ND U / ND dp	ND	ND	NA	NA	NA
M-27D														
Carbon Tetrachloride	5	26.7D/28.9D dp	19.2/19.8 dp	13.8	16.2	14.5	24.2 DJ	5.1 / 4.5 dp	16.6	3 / 2.7 dp	22.1	21	13	22
Chloroform	7	ND / ND dp	1.7J /1.3 dp	1.1	1.1	0.94J	2.4	ND / ND dp	1.0	53 JB / 0.55 JB d	ND	ND	ND	2
Chloromethane	5	ND / ND dp	ND / ND dp	ND	ND	ND	ND	ND ND dp	ND	ND ND dp	ND	ND	ND	ND
Trichloroethene	5	12.8 / 12.1 dp	26.4 /26.5D dp	19.4	27 D	22.7	14	2.4 / 2.2 dp	21.8 D	3.2 / 2.9 dp	22.7	18	24	16
Trichlorofluoromethane	5*	1.9 / 1.8 dp	2.9 / 2.9 dp	2.0	2.2	1.5	0.96 J	0.21J / 0.18J dp	2.3	0.27 J / 0.29 J dp	2.3	1.3	1.0	1 J
Chromium	50*	2B/1.8B dp	1.2B/1.2B dp	ND	1.5 B	2 B	1.5 B	5.9B / 6.1B dp	1.2 B	22.6 / 21.3 dp	2.6 B	1.7 B	1.6 B	2.7
Hexavalent Chromium	50*	ND/ND dp	ND/ND dp	ND	ND	ND	ND	ND / ND dp	ND	ND / ND dp	ND	ND	ND	ND
M-33S														
VOCs	-	ND	ND	8.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-33I														
VOCs	-	ND	ND	4.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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TABLE 3

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	10/16/2006	5/14/2007	10/16/2007	5/14/2008	10/13/2008	5/13/2009	11/11/2009	5/19/2010	10/26/2010	5/18/2011	10/25/2011	5/22/2012	10/23/2012
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
M-27D														
Carbon Tetrachloride	5	12	15	10	11	9	7.6	5.8	4.2	6.9	8.3	6	5.2	4.2
Chloroform	7	0.76J	2	0.7J	ND	0.6 J	0.30 J	0.31 J	ND	0.61 J	1.1	0.5J	0.53 J	0.33 J
Chloromethane	5	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND
Trichloroethene	5	21	15	14	13	11	11	10	9.3	8.2	6.7	7	7.1	5.8
Trichlorofluoromethane	5*	1.0	0.9J	0.8J	0.6J	0.3 J	0.15 J	ND	ND	ND	0.13J	ND	ND	ND
Chromium	50*	1.7 BJ	ND	ND	ND	0.810	0.88	ND	1.1 J	10 U	ND	1.0 J	11.1 J	6.4
Hexavalent Chromium	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.010 J	10.0 U	ND
M-33S														
VOCs	-	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
M-33I														
VOCs	-	ND	ND	ND	NA	ND	--	--	--	--	--	--	--	--

Notes:

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ND = Not detected.

NS = Not Sampled

J = Estimated concentration.

dp = Duplicate sample.

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TABLE 3

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2014
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	5/14/2013	10/16/2013	5/14/2014	10/8/2014
Carbon Disulfide	None*	NS	NS	NS	NS
Chloromethane	5	NS	NS	NS	NS
Chromium	50*	NS	NS	NS	NS
Hexavalent Chromium	50*	NS	NS	NS	NS
M-27D					
Carbon Tetrachloride	5	5.9	1.6	5.1	4.2
Chloroform	7	0.60 J	ND	0.49 J	0.5 J
Chloromethane	5	ND	ND	ND	ND
Trichloroethene	5	5	6	5	4.4
Trichlorofluoromethane	5*	0.10 J	ND	ND	ND
Chromium	50*	ND	ND	1.3 J	ND
Hexavalent Chromium	50*	ND	ND	ND	ND
M-33S					
VOCs	-	--	--	--	--
M-33I					
VOCs	-	--	--	--	--

Notes:

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ND = Not detected.
NS = Not Sampled
J = Estimated concentration.
dp = Duplicate sample.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
D = Indentifies compound analyzed at a secondary dilution factor.
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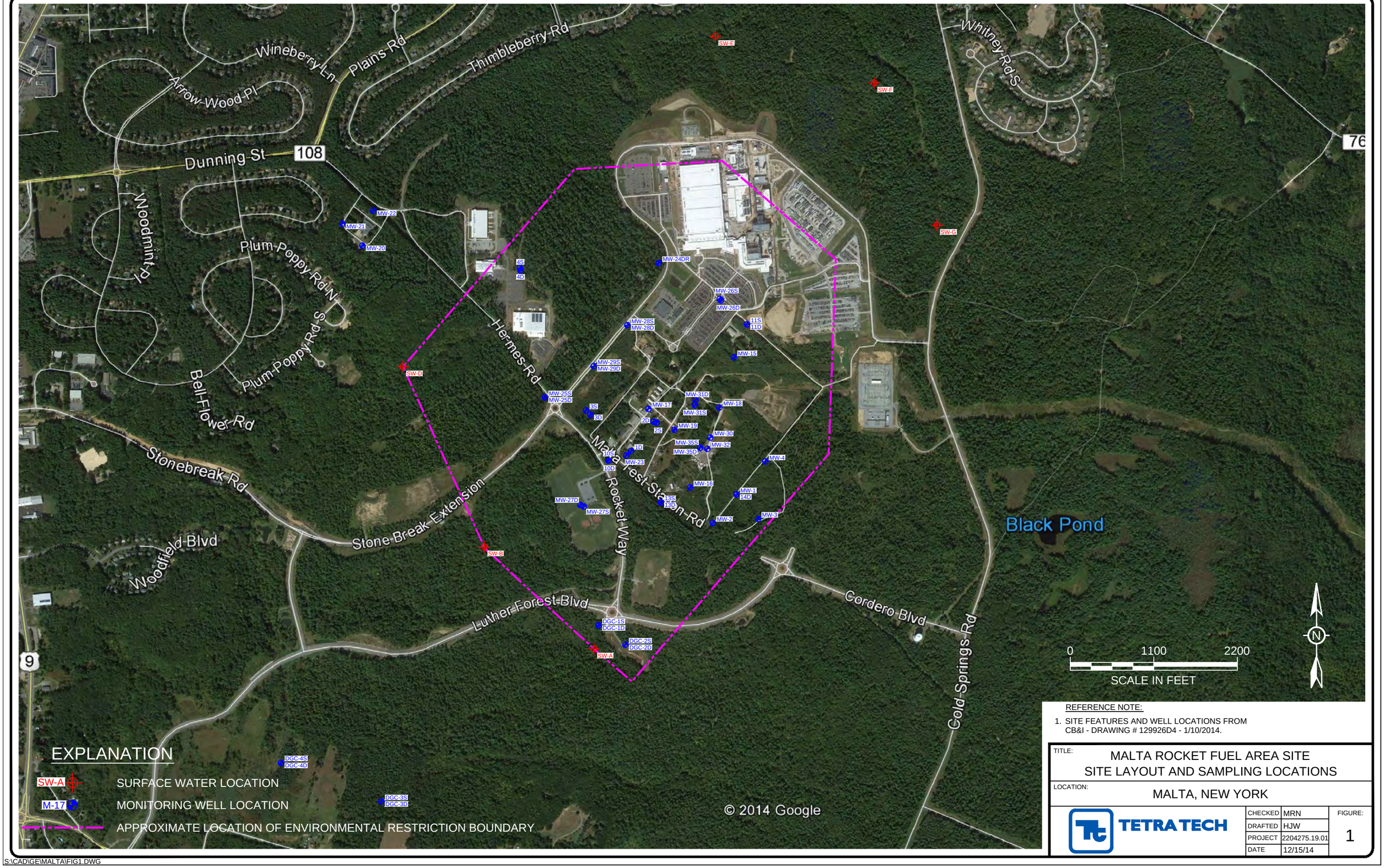
TABLE 4

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 -OCTOBER 2014
SEMI-ANNUAL SAMPLING

Wells / Compounds 4D	Remedial Action Objective	06/01/92	11/18/92	11/2004	05/24/05	10/24/05	05/23/06	10/16/06	05/14/07	10/16/07	05/14/08	10/13/08	05/13/09	11/11/09	05/19/10	10/26/10	05/18/11	10/25/11	05/22/12	10/23/12	05/14/13	10/16/13	05/14/14	10/08/14
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND
11D																								
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J	NS	ND	ND	ND	ND	5.0 UJ	ND	ND	ND	1.1 J	ND
Carbon Tetrachloride	5	ND	6	4.6	13	14	15	12	12	13	11	10	11	NS	11	7.7	8.9	7.8	8.3	6.7	7.1	6	6.2	6.4
Chloroform	7	ND	3	ND	4.0	3.0	4.0	3.0	3	2	ND	2	1.4	NS	1.3	0.82 J	0.96 J	0.76 J	0.89 J	0.56 J	0.61 J	0.55 J	0.49 J	0.67 J
Trichloroethene	5	9J	7	ND	0.8 J	0.9 J	1 J	2.0	1	1	1	2	1.6	NS	1.5	1.9	1.3	1.4	1.3	1.9	1.5	1.4	1.6	1.2
M-24D																								
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10	11	11	10	9	9	10	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	7	ND	ND	ND	0.6 J	0.5 J	0.5 J	0.44 J	0.4 J	0.4 J	ND	0.3 J	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---
M-24DR																								
Acetone	50	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	2.1	ND	5.0 UJ	4.1 J	2.1 J	2.4 J	1.5 J	2.4 J
Carbon Tetrachloride	5	--	--	--	--	--	--	--	--	--	--	--	16	13	5.5	4.9	2.6	2.4	1.3	1.0	0.50 J	0.67 J	0.51 J	0.6 J
Chloroform	7	--	--	--	--	--	--	--	--	--	--	--	0.68 J	0.43 J	0.25 J	0.25 J	0.11J	0.12J	ND	ND	ND	ND	ND	ND
Trichloroethene	5	--	--	--	--	--	--	--	--	--	--	--	49	39	18	19	9.5	8.8	4.8	4.2	1.8	2.8	1.7	1.9
M-25D																								
Acetone	50	ND	ND R	ND	ND	ND	49 D*	25 JD	ND	ND	ND	ND	7.3 J	ND	ND	ND	ND	ND	25 JD	ND	ND	ND	3.7 J	3.9 J
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91	76 D*	71 D	60	65	56	52	52	40	35	34	32	32	32	29	27	25	23	22
Chloroform	7	ND	3R	8.7	8.0	9.0	8 D*	7 D	7	6	ND	4	3.8 J	3.0 J	3.0 J	3.2 J	3.2 J	2.8 J	2.4 J	1.7 J	1.3 J	1.2 J	0.93 J	1.0 J
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	1.0 J	0.85 J	ND	0.35 J	ND	ND	ND
Trichloroethene	5	3J	8R	16.1	35 D	37	28 D*	22 D	31	34	52	79 D	93	79	76	73	79	66	69	67	62	57	57	55
M-29D																								
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4	4.1	4.2	4.6	4	ND	3.8	3.3
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23J	0.23 J	0.28 J	0.31 J	0.30 J	ND	0.21 J	0.13 J
Acetone	50	ND	ND R	ND	ND	ND	16 D*	ND	ND	ND	ND	ND	4.4 J	ND	ND	ND	ND	5.0 J	5.0 UJ	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	79	84	10.8	38 D	37	39 D*	33 D	32	34	33	32	30	27	28	27	27E	24	23	24	19	18	20	17
Chloroform	7	ND	14	ND	4.0	5.0	5 D*	4 D	3	3	ND	2	2.5	2.7	2.8	2.4	2.1	1.4	1.2	0.96 J	0.70 J	0.63 J	0.55 J	0.51 J
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J	0.14 J	0.12 J	ND	ND	ND	ND	ND
Trichloroethene	5	19	24	6.0	14	13	14 D*	12 D	11	11	11	10	11	16	21	22	25E	23	24	25 E	23	23	23 D	23
13D																								
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1J	5.0 J	ND	1.4 J	1.1 J	ND	1.4 J	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99 J	ND	0.31 J	0.68 J	0.66 J	0.77 J	0.26 J	0.63 J
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND	0.13 J	0.11 J	ND	ND	ND
Chromium	50*	98.4	38.9 J	4.5 B	78.3	60.8 J	11	17.1	25.3	5.2B	13.2	7.3	7.1	4.0 J	3.4 J	16.1	ND	3.6 J	6.1 J	6.6 J	ND	8.0 J	63.5	ND
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U	10 U	14.2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	ND	0.010 J	ND	ND	ND	ND	ND	ND

Notes:
Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
See Remedial Investigation report for additional data.
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
dp = Duplicate sample.
E = Estimated concentration: due to interference.
R = Analysis rejected
D* = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in March, 2009.
--- = Well Removed according to instruction by Environmental Protection Agency
* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.
** = Filtered Sample.

Figures



EXPLANATION

- SW-A — SURFACE WATER LOCATION
- M-17 — MONITORING WELL LOCATION
- APPROXIMATE LOCATION OF ENVIRONMENTAL RESTRICTION BOUNDARY

REFERENCE NOTE:

1. SITE FEATURES AND WELL LOCATIONS FROM CB&I - DRAWING # 129926D4 - 1/10/2014.

TITLE: MALTA ROCKET FUEL AREA SITE
SITE LAYOUT AND SAMPLING LOCATIONS

LOCATION: MALTA, NEW YORK

TETRA TECH

CHECKED	MRN
DRAFTED	HJW
PROJECT	2204275.19.01
DATE	12/15/14

FIGURE: 1

S:\CAD\GE\MALTA\FIG1.DWG

FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS

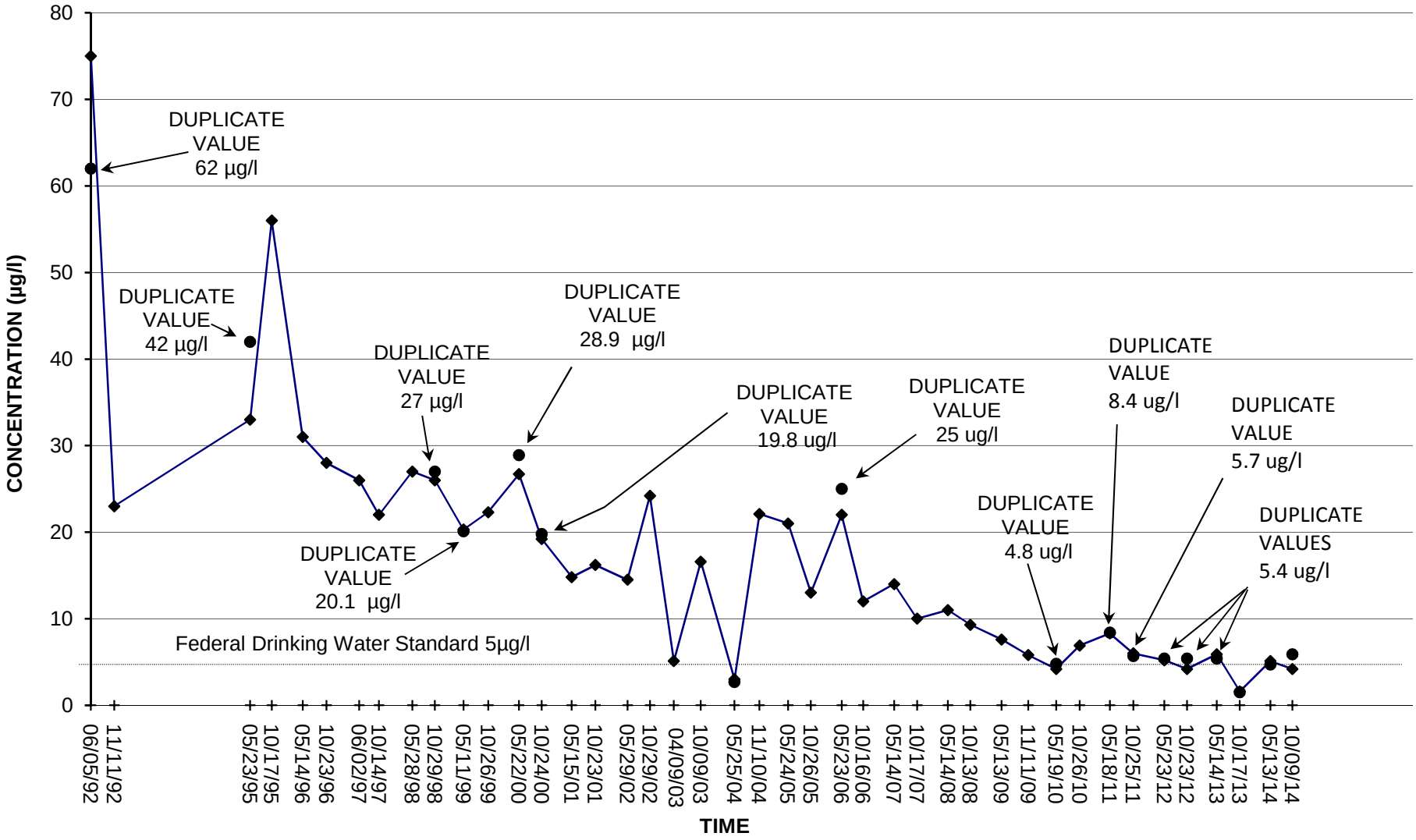
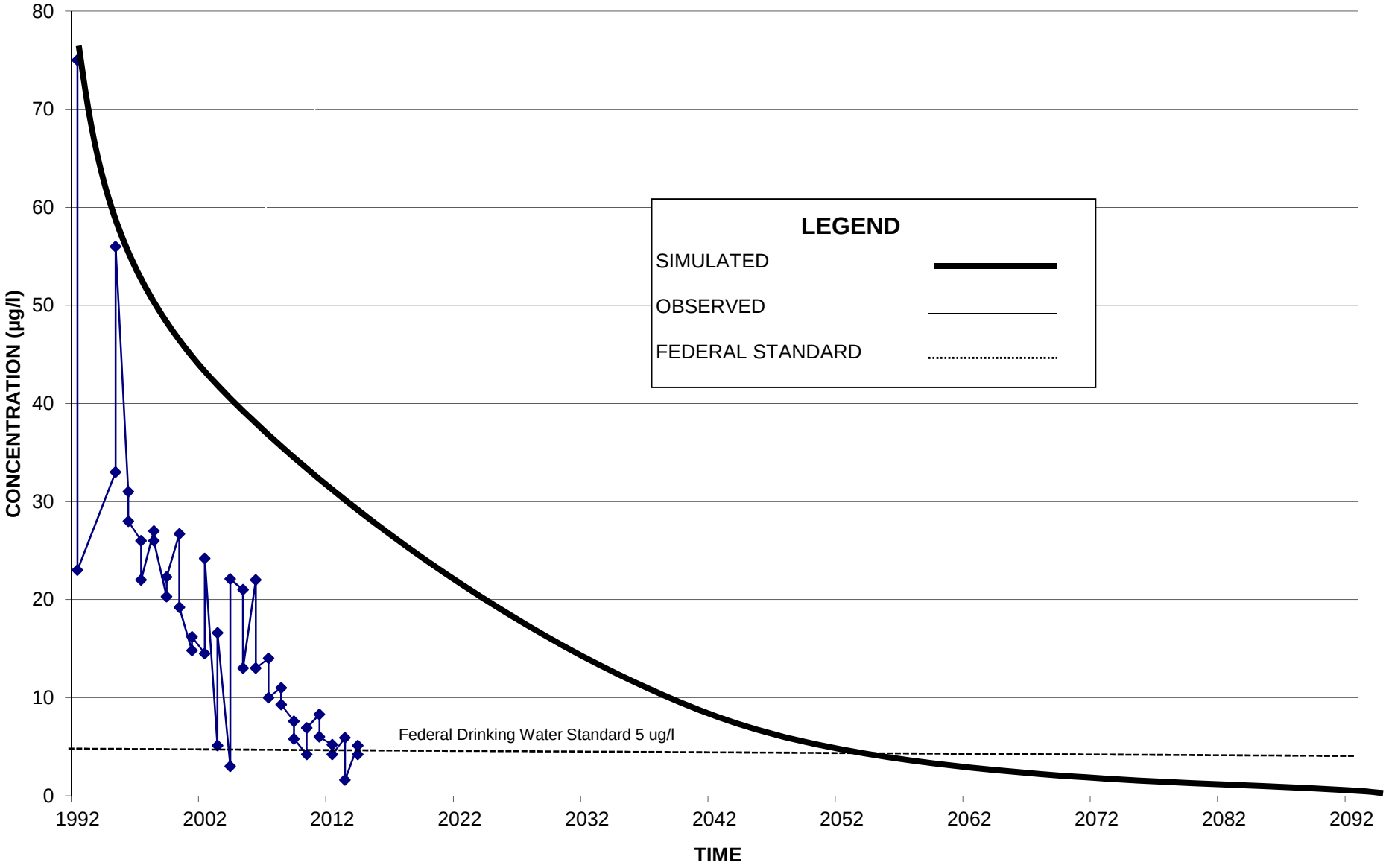


FIGURE 3
SIMULATED VERSUS OBSERVED
CARBON TETRACHLORIDE CONCENTRATIONS
AT WELL M-27D



Appendix A

Laboratory Data, Groundwater Samples

(May and October 2014)

1565 Jefferson Rd., Bldg 300, Suite 360
Rochester, NY 14623
T:+1 585 288 5380
F:+1 585 288 8475
www.alsglobal.com

June 12, 2014

Service Request No: R1403523

Mr. Brian Neuman
CB&I Environmental & Infrastructure
13 British American Blvd.
Latham, NY 12110

Laboratory Results for: GE MRFA/151492.01

Dear Mr. Neuman:

Enclosed are the final data and summary package results of the sample(s) submitted to our laboratory between May 14, 2014 and May 15, 2014. For your reference, these analyses have been assigned our service request number **R1403523**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Janice Jaeger
Client Services Manager

CASE NARRATIVE

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA	**Project Number:**	
Sample Matrix:	Water	**Date Received:**	5/14-15/14

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

Sample Receipt

Samples were collected on 05/13-14/14 and received at ALS on 05/14-15/14 at cooler temperatures of 4.1 and 5.7°C in good condition except as noted on the cooler receipt and preservation check form. The samples were stored in a refrigerator at 1 - 6 °C upon receipt at the laboratory.

Inorganic Analysis

Samples were analyzed for a site specific list of inorganics. Please see attached data pages for method numbers.

Sample DUP A was analyzed at a dilution due to negative peak on the straight sample.

Site specific QC was performed on samples SW-B and 13D instead of M-27D as requested. All MS recoveries and RPD's were acceptable.

The Method Blanks associated with these analyses were free of contamination.

No other analytical or QC problems were encountered.

Metals Analysis

Samples were analyzed for a site specific list of Metals by Methods 6010C.

Site specific QC was performed on M-27D as requested. All MS recoveries and RPD's were acceptable.

All LCS recoveries were within limits.

The Method Blanks associated with these analyses were free of contamination to the MRL.

No other analytical or QC problems were encountered.

Volatile Organics

Samples were analyzed for a site specific list of Volatile Organics by CLP Method OLC 2.1.

All Tuning criteria for BFB were within QC limits.

All the initial calibration and continuing calibration criteria were met for all analytes except 1,2-Dichloroethane and Trichloroethene on the 5/22/14 CCV run which had %Differences (%D) greater than ±20% but less than 40%. Any hits for these compounds associated with this CCV should be considered as estimated, however no hits were found for these compounds, no data was affected.

All Internal Standard Areas and surrogate standard recoveries were within QC limits.

The LCS/LCSD recoveries and RPD calculations were all acceptable.

Site specific QC was performed on M-26D and M-27D as requested. All MS/MSD recoveries and RPD's were acceptable.

Hits above the calibration range of the standards are flagged as "E", estimated. The sample is then repeated at the appropriate level for the hit. Both sets of data are included in the report. The hits on the subsequent dilution are flagged as "D".

The Method Blanks associated with these samples were free of contamination except for low level hits fro 1,2,3-Trichlorobenzene and Hexachlorobutadiene on the 5/21/14 run. No data was affected.

No analytical or QC problems were encountered.

RSK-175

Samples were analyzed for Ethane by Method RSK-175M.

All the initial and continuing calibration criteria were met for all analytes.

The LCS recoveries were all acceptable.

Site specific QC was requested on M-26D and M-27D as requested. All MS/MSD recoveries and RPD's were acceptable.

The Method Blanks associated with these samples were free of contamination.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature. Kevin J Breunlin 6/12/14

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #: 151492.01	Batch Complete: Yes	Date Revised:
Submission: R1403523	Diskette Requested: No	Date Due: 6/5/14
Client: CB&I	Date: 5/16/14	Protocol: EPA
Client Rep: JJAEGER	Custody Seal: Present/Absent:	Shipping No.:
Project: GE MRFA	Chain of Custody: Present/Absent:	SDG #: M-25D

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks Sample Condition
R1403523-001	M-25D	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-002	M-29D	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-003	M-24DR	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-004	DGC-3S	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-005	DGC-4S	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-006	SW-A	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-007	SW-G	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-008	SW-E	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-009	SW-F	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-010	SW-B	Water	RSK 175, 7196A, CLP-VOA OLC02.1, 6010C	5/13/14	5/14/14			
R1403523-011	SW-D	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-012	TRIP BLANK 1	Water	CLP-VOA OLC02.1	5/14/14	5/14/14			
R1403523-013	COOLER BLANK	Water	CLP-VOA OLC02.1	5/14/14	5/14/14			
R1403523-014	10S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-015	M-28S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-016	11D	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-017QC	M-26D	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-018	M-26S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-019	MW-1	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-020	MW-4	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-021	13S	Water	CLP-VOA OLC02.1, RSK 175	5/14/14	5/15/14			
R1403523-022	13D	Water	7196A, RSK 175, CLP-VOA OLC02.1, 6010C	5/14/14	5/15/14			
R1403523-023QC	M-27D	Water	7196A, RSK 175, CLP-VOA OLC02.1, 6010C	5/14/14	5/15/14			
R1403523-024	TRIP BLANK 2	Water	CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-025	DUP-1	Water	CLP-VOA OLC02.1, RSK 175	5/14/14	5/15/14			
R1403523-026	DUP-2	Water	RSK 175, 7196A, 6010C, CLP-VOA OLC02.1	5/14/14	5/15/14			

Folder Comments: need extra 3 compounds, e-mail invoices to Karen and Steve, GE Minimum Standards

ALS Environmental

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

15309

ALS Environmental

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: GE MRFA	Project Number:
Project Manager: Brian Neumann	Report CC:
Company/Address: CB&I 13 British American Blvd Latham NY 12110	
Phone #: 518 785 2340	Email: brian.neumann@cbi.com
Sampler's Signature:	Sampler's Printed Name: Matt Dupuy

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB IO	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC02.1 VOC	RSK 175/6485	6010C / CCT	7196A / CR6					
M-25D		5.13.14	0845	GW	6								X	X							
M-29D		5.13.14	0930	GW	6								X	X							
M-24DR		5.13.14	1020	GW	6								X	X							
DGC-3[illegible]S		5.13.14	1100	GW	6								X	X							
DGC-4S		5.13.14	1145	GW	6								X	X							
SW-A		5.13.14	1215	GW	6								X	X							
SW-G		5.13.14	1300	GW	6								X	X							
SW E		5.13.14	1330	GW	6								X	X							
SW-F		5.13.14	1345	GW	6								X	X							
SW-B		5.13.14	1415	GW	8								X	X	X	X					
SW-D		5.13.14	1445	GW	6								X	X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Metals
- Vinyl Chloride
- Ethane
- Plus Trip Blank for VOC

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata ____ Yes ____ No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Matt Dupuy	Printed Name	Printed Name	Printed Name	Printed Name	
Firm: CB&I	Firm: ALS	Firm	Firm	Firm	
Date/Time: 5.13.12 / 1600	Date/Time: 5/14/14 0820	Date/Time	Date/Time	Date/Time	

R1403523 7
CB&I Environmental & Infrastructure
GE MRFA

Distribution: White - Lab Copy; Yellow - Return to Originator

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

15309

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: GE MRFA	Project Number:
Project Manager: Brian Neumann	Report CC:
Company/Address: CB&I, 13 British American Blvd, Latham NY 12110	
Phone #: 518 785 2340	Email: brian.neumann@cbi.com
Sampler's Signature: [signature]	Sampler's Printed Name: Matt Dupuy

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

Preservative Key: 0. NONE 1. HCL 2. HNO_3 3. H_2SO_4 4. NaOH 5. Zn. Acetate 6. MeOH 7. $NaHSO_4$ 8. Other ______

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○8260 ○624 ○CLP	GC/MS SVOAs ○8270 ○625	GC VOAs ○8021 ○601/602	PESTICIDES ○8081 ○608	PCBs ○8082 ○608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 02.1 VOC	RSK 175 (ethane)	6010C (Ca)	7196A (Cr6)			REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE														2	2				
M-25D		5-13-14	0845	GW	6								X	X					
M-29D		5-13-14	0930	GW	6								X	X					
M-24DR		5-13-14	1020	GW	6								X	X					
DGC-3S		5-13-14	1100	GW	6								X	X					
DGC-4S		5-13-14	1145	GW	6								X	X					
SW-A		5-13-14	1215	GW	6								X	X					
SW-G		5-13-14	1300	GW	6								X	X					
SW-E		5-13-14	1330	GW	6								X	X					
SW-F		5-13-14	1345	GW	6								X	X					
SW-B		5-13-14	1415	GW	8								X	X	X	X			
SW-D		5-13-14	1445	GW	6								X	X					

SPECIAL INSTRUCTIONS/COMMENTS

Metals

- Vinyl Chloride — hexachlorobutadine, 1,2,3-trichlorobenzene, trichlorofluoromethane
- Ethane
- Plus Trip Blank for VOC) 5/14/14 (MD)

See QAPP ☐

TURNAROUND REQUIREMENTS

___ RUSH (SURCHARGES APPLY)

___ 1 day ___ 2 day ___ 3 day

___ 4 day ___ 5 day

REQUESTED REPORT DATE ______

REPORT REQUIREMENTS

___ I. Results Only

___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

___ III. Results + QC and Calibration Summaries

___ IV. Data Validation Report with Raw Data

Edata ___ Yes ___ No

INVOICE INFORMATION

PO #

BILL TO:

STATE WHERE SAMPLES WERE COLLECTED

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	[signature]					
Printed Name	Matt Dupuy					
Firm	CBI					
Date/Time	5-13-14 / 1600					

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

Project/Client CBI Folder Number R14-3523

Cooler received on 5/14/14 by: @

COURIER: ALS (UPS) FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: ~~Wet Ice~~ **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 5/14/14 Time: 0830 ID: (IR#3) IR#4 From: (Temp Blank) Sample Bottle

Observed Temp (°C)	4.1°						
Correction Factor (°C)	+0.0°						
Corrected Temp (°C)	4.1°						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by @ on 5/14/14 at 0825
5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: JMS 5/14/14

Cooler Breakdown: Date: 5/14/14 Time: 2050 by: @

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3	✓		BBB26135B	4/15				
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**	4112170	4/15				

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 112612-3VR, 4-002-003

Other Comments:

PC Secondary Review: JMS 5/20/14 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

15311

ALS Environmental

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name: GE MRFA	Project Number: 151492.01
Project Manager: Brian Neumann	Report CC:
Company/Address: CB&I, 3 British American Blvd, Latham NY 12110	
Phone #: 518 785 2340	Email: brian.neumann@cbi.com
Sampler's Signature:	Sampler's Printed Name: Matt Dupuy

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 02.1 VOC	RSK 175/Gases	6010 C/CrVI	7196A/Crb
10 S		5.14.14	0845	GW									X	X		
M-28 S		5.14.14	0930	GW									X	X		
11 D		5.14.14	1015	GW									X	X		
M-26 D		5.14.14	1115	GW									X	X		
M-26 S		5.14.14	1200	GW									X	X		
MW-1		5.14.14	1245	GW									X	X		
MW-4		5.14.14	1330	GW									X	X		
13 S		5.14.14	1420	GW									X	X		
13 D		5.14.14	1500	GW									X	X	X	X
M-27 D		5.14.14	1600	GW									X	X	X	X
TRIP Blank		5-14-14	—	~~GW~~									X	X		

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Metals Please Add to VOC list Plus
- Hexachloro butadine
- 1,2,3 - Trichlorobenzene
- Trichloro floromethane
- Vinyl Chloride
- Ethane

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata ____ Yes ____ No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	
Printed Name: Matt Dupuy	Printed Name: J. Seward	Printed Name	Printed Name	Printed Name	
Firm: CBI	Firm: ALS	Firm	Firm	Firm	
Date/Time: 1700/5/14	Date/Time: 5/15/14 0755	Date/Time	Date/Time	Date/Time	

R1403523 7
CB&I Environmental & Infrastructure
GE MRFA

Distribution: White - Lab Copy; Yellow - Return to Originator

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 15310

ALS Environmental

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 2 OF 2

Project Name: GE MRFA	Project Number: 151492.01
Project Manager: Brian Neumann	Report CC:
Company/Address: CB+I 13 British American Blvd Latham NY 12110	
Phone #: 518 785 2340	Email: brian.neumann@cbi.com
Sampler's Signature:	Sampler's Printed Name: Matt Duffy

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP	GC/MS SVOAs ◦ 8270 ◦ 625	GC VOAs ◦ 8021 ◦ 601/602	PESTICIDES ◦ 8081 ◦ 608	PCBs ◦ 8082 ◦ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 02.1 VOC	RSK 175/Gases	6010 CICP	7196A/CrVI				
DUP-1		—	—	GW										X	X						
DUP-2		—	—	GW										X	X	X	X				
M-26D MS/MSD		5-14-14	1115	GW										X	X						
M-27D MS		5-14-14	1600	GW										X	X	X	X				
M-27D MSD		5-14-14	1600	GW										X	X	X	X				

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Metals Please add to VOC's
- Hexachloro butadine
- 1,2,3-Trichlorobenzene
- Trichloro floromethane
- Vinyl Chloride
- Ethane

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Repor
Edata ____ Yes

INVOICE INFORMATION
PO #
BILL TO:

R1403523 7
CB&I Environmental & Infrastructure
GE MRFA

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED	
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Matt Duffy	Printed Name: S. Stewart	Printed Name	Printed Name	Printed Name	Printed Name
Firm: CB+I	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 1700 5/14	Date/Time: 5/15/14 0755	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

Project/Client CB+I Folder Number R14-3523

Cooler received on 5/15/14 by: JH

COURIER: ALS (UPS) FEDEX VELOCITY CLIENT

1	Were **Custody** seals on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROE CLIENT
4	Circle: ~~Wet Ice~~ Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 5/15/14 Time: 0807 ID: ~~IR#3~~ IR#4 From: Temp Blank ~~Sample Bottle~~

Observed Temp (°C)	5.5						
Correction Factor (°C)	+0.2						
Corrected Temp (°C)	5.7						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: ROOM by JH on 5/15/14 at 0807

5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: JMS 5/15/14

Cooler Breakdown: Date: 5/15/14 Time: 1310 by: (JH)

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3	✓		BDB26135B	4/15				
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**	4112120	4/15				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 4-002-003, 112612-2W

Other Comments:

PC Secondary Review: JMS 5/20/14 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0845
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 22:20
Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	2.5

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	2.5	U	2.5	0.25	
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	2.5	0.25	
79-00-5	1,1,2-Trichloroethane	2.5	U	2.5	0.28	
75-34-3	1,1-Dichloroethane (1,1-DCA)	2.5	U	2.5	0.25	
75-35-4	1,1-Dichloroethene (1,1-DCE)	2.5	U	2.5	0.25	
87-61-6	1,2,3-Trichlorobenzene	2.5	U	2.5	0.28	
120-82-1	1,2,4-Trichlorobenzene	2.5	U	2.5	0.30	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.5	U	2.5	0.60	
106-93-4	1,2-Dibromoethane	2.5	U	2.5	0.38	
107-06-2	1,2-Dichloroethane	2.5	U	2.5	0.25	
95-50-1	1,2-Dichlorobenzene	2.5	U	2.5	0.25	
78-87-5	1,2-Dichloropropane	2.5	U	2.5	0.25	
541-73-1	1,3-Dichlorobenzene	2.5	U	2.5	0.25	
106-46-7	1,4-Dichlorobenzene	2.5	U	2.5	0.25	
78-93-3	2-Butanone (MEK)	13	U	13	2.6	
591-78-6	2-Hexanone	13	U	13	5.3	
108-10-1	4-Methyl-2-pentanone	13	U	13	2.4	
67-64-1	Acetone	3.7	J	13	2.7	
71-43-2	Benzene	2.5	U	2.5	0.25	
74-97-5	Bromochloromethane	2.5	U	2.5	0.38	
75-27-4	Bromodichloromethane	2.5	U	2.5	0.25	
75-25-2	Bromoform	2.5	U	2.5	0.38	
74-83-9	Bromomethane	2.5	U	2.5	0.58	
75-15-0	Carbon Disulfide	2.5	U	2.5	0.36	
56-23-5	Carbon Tetrachloride	23		2.5	0.25	
108-90-7	Chlorobenzene	2.5	U	2.5	0.25	
75-00-3	Chloroethane	2.5	U	2.5	0.25	
67-66-3	Chloroform	0.93	J	2.5	0.25	
74-87-3	Chloromethane	2.5	U	2.5	0.30	
156-59-2	cis-1,2-Dichloroethene	2.5	U	2.5	0.25	
10061-01-5	cis-1,3-Dichloropropene	2.5	U	2.5	0.30	
124-48-1	Dibromochloromethane	2.5	U	2.5	0.25	
100-41-4	Ethylbenzene	2.5	U	2.5	0.25	
87-68-3	Hexachlorobutadiene	2.5	U	2.5	0.25	
179601-23-1	m,p-Xylenes	2.5	U	2.5	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 0845
Date Received: 5/14/14
Date Analyzed: 5/21/14 22:20

Sample Name: M-25D
Lab Code: R1403523-001

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 2.5

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	2.5	U	2.5	0.25	
95-47-6	o-Xylene	2.5	U	2.5	0.25	
100-42-5	Styrene	2.5	U	2.5	0.25	
127-18-4	Tetrachloroethene (PCE)	2.5	U	2.5	0.25	
108-88-3	Toluene	2.5	U	2.5	0.25	
156-60-5	trans-1,2-Dichloroethene	2.5	U	2.5	0.25	
10061-02-6	trans-1,3-Dichloropropene	2.5	U	2.5	0.25	
79-01-6	Trichloroethene (TCE)	57		2.5	0.25	
75-69-4	Trichlorofluoromethane (CFC 11)	2.5	U	2.5	0.25	
75-01-4	Vinyl Chloride	2.5	U	2.5	0.25	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	5/21/14 22:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2220

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 0930
Date Received: 5/14/14
Date Analyzed: 5/21/14 16:02

Sample Name: M-29D
Lab Code: R1403523-002

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**3.8**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**0.21**	J	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	**0.15**	J	1.0	0.14	
56-23-5	Carbon Tetrachloride	**20**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.55**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 0930
Date Received: 5/14/14
Date Analyzed: 5/21/14 16:02

Sample Name: M-29D
Lab Code: R1403523-002

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**25**	E	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 16:02	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1602

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0930
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 22:47
Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA
Run Type:	Dilution		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**3.5**	D	2.0	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.20	
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.22	
75-34-3	1,1-Dichloroethane (1,1-DCA)	2.0	U	2.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	2.0	U	2.0	0.20	
87-61-6	1,2,3-Trichlorobenzene	2.0	U	2.0	0.22	
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.24	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	0.48	
106-93-4	1,2-Dibromoethane	2.0	U	2.0	0.30	
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.20	
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	0.20	
78-87-5	1,2-Dichloropropane	2.0	U	2.0	0.20	
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	0.20	
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	0.20	
78-93-3	2-Butanone (MEK)	10	U	10	2.1	
591-78-6	2-Hexanone	10	U	10	4.2	
108-10-1	4-Methyl-2-pentanone	10	U	10	1.9	
67-64-1	Acetone	**2.4**	DJ	10	2.2	
71-43-2	Benzene	2.0	U	2.0	0.20	
74-97-5	Bromochloromethane	2.0	U	2.0	0.30	
75-27-4	Bromodichloromethane	2.0	U	2.0	0.20	
75-25-2	Bromoform	2.0	U	2.0	0.30	
74-83-9	Bromomethane	2.0	U	2.0	0.46	
75-15-0	Carbon Disulfide	2.0	U	2.0	0.28	
56-23-5	Carbon Tetrachloride	**17**	D	2.0	0.20	
108-90-7	Chlorobenzene	2.0	U	2.0	0.20	
75-00-3	Chloroethane	2.0	U	2.0	0.20	
67-66-3	Chloroform	**0.48**	J	2.0	0.20	
74-87-3	Chloromethane	2.0	U	2.0	0.24	
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.24	
124-48-1	Dibromochloromethane	2.0	U	2.0	0.20	
100-41-4	Ethylbenzene	2.0	U	2.0	0.20	
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.20	
179601-23-1	m,p-Xylenes	2.0	U	2.0	0.24	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 0930
Date Received: 5/14/14
Date Analyzed: 5/22/14 22:47

Sample Name: M-29D
Lab Code: R1403523-002
Run Type: Dilution

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D\

Analysis Lot: 393854
Instrument Name: R-MS-06
Dilution Factor: 2

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	2.0	U	2.0	0.20	
95-47-6	o-Xylene	2.0	U	2.0	0.20	
100-42-5	Styrene	2.0	U	2.0	0.20	
127-18-4	Tetrachloroethene (PCE)	2.0	U	2.0	0.20	
108-88-3	Toluene	2.0	U	2.0	0.20	
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.20	
79-01-6	Trichloroethene (TCE)	23	D	2.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	2.0	U	2.0	0.20	
75-01-4	Vinyl Chloride	2.0	U	2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 22:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 2247

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-29DDL	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA
Run Type:	Dilution		
Analytical Method:	CLP-VOA OLC02.1		

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1020
Date Received: 5/14/14
Date Analyzed: 5/21/14 16:34

Sample Name: M-24DR
Lab Code: R1403523-003

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.5**	**J**	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**0.51**	**J**	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1020
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 16:34
Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**1.7**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 16:34	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1634

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1100
Date Received: 5/14/14
Date Analyzed: 5/21/14 18:12

Sample Name: DGC-3S
Lab Code: R1403523-004

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	1.7	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1100
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 18:12
Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	80-120	5/21/14 18:12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1812

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1145
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 17:38
Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1145
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 17:38
Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 17:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1738

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1215
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 18:45
Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1215
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 18:45
Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	5/21/14 18:45	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1845

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1300
Date Received: 5/14/14
Date Analyzed: 5/21/14 19:21

Sample Name: SW-G
Lab Code: R1403523-007

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,I-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1300
Date Received: 5/14/14
Date Analyzed: 5/21/14 19:21

Sample Name: SW-G
Lab Code: R1403523-007

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	80-120	5/21/14 19:21	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1921

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1330
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:57
Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1330
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:57
Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	80-120	5/21/14 19:57	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1957

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1345
Date Received: 5/14/14
Date Analyzed: 5/21/14 20:32

Sample Name: SW-F
Lab Code: R1403523-009

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.2**	**J**	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1345
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 20:32
Sample Name:	SW-F	**Units:**	µg/L
Lab Code:	R1403523-009	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 20:32	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/I4/14
		Date Analyzed:	5/21/14 2032

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-F	**Units:**	µg/L
Lab Code:	R1403523-009	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1415
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:08
Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1415
Date Received: 5/14/14
Date Analyzed: 5/21/14 21:08

Sample Name: SW-B
Lab Code: R1403523-010

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**0.12**	J	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	5/21/14 21:08	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2108

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1445
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:44
Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.4**	**J**	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1445
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:44
Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 21:44	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2144

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 06:05
Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1403523-012	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 06:05
Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1403523-012	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**0.16**	**J**	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 06:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 0605

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1403523-012	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/14/14
Date Analyzed: 5/22/14 23:58

Sample Name: COOLER BLANK
Lab Code: R1403523-013

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D\

Analysis Lot: 393854
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1;1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 23:58
Sample Name:	COOLER BLANK	**Units:**	µg/L
Lab Code:	R1403523-013	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 23:58	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 2358

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	COOLER BLANK	**Units:**	µg/L
Lab Code:	R1403523-013	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0845
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 06:41
Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**3.8**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**1.1**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.48**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 0845
Date Received: 5/15/14
Date Analyzed: 5/22/14 06:41

Sample Name: 10S
Lab Code: R1403523-014

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	80-120	5/22/14 06:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0641

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 0930
Date Received: 5/15/14
Date Analyzed: 5/22/14 07:17

Sample Name: M-28S
Lab Code: R1403523-015

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: 1:\ACQUDATA\MSVOA6\DATA\052114\L5000.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**2.6**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**2.4**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.19**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0930
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 07:17
Sample Name:	M-28S	**Units:**	µg/L
Lab Code:	R1403523-015	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	4.4		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	80-120	5/22/14 07:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0717

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-28S	**Units:**	µg/L
Lab Code:	R1403523-015	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1015
Date Received: 5/15/14
Date Analyzed: 5/22/14 07:52

Sample Name: 11D
Lab Code: R1403523-016

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.1**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**6.2**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.49**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1015
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 07:52
Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.6		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	80-120	5/22/14 07:52	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0752

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 17:05
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	1.7	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 17:05
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 17:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 1705

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1200
Date Received: 5/15/14
Date Analyzed: 5/22/14 08:28

Sample Name: M-26S
Lab Code: R1403523-018

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.8**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1200
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 08:28
Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**0.16**	J	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	80-120	5/22/14 08:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0828

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1245
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:04
Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.3**	**J**	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1245
Date Received: 5/15/14
Date Analyzed: 5/22/14 09:04

Sample Name: MW-1
Lab Code: R1403523-019

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 09:04	

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Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0904

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1330
Date Received: 5/15/14
Date Analyzed: 5/22/14 09:40

Sample Name: MW-4
Lab Code: R1403523-020

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1330
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:40
Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 09:40	

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Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0940

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1420
Date Received: 5/15/14
Date Analyzed: 5/22/14 10:15

Sample Name: 13S
Lab Code: R1403523-021

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**4.0**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1420
Date Received: 5/15/14
Date Analyzed: 5/22/14 10:15

Sample Name: 13S
Lab Code: R1403523-021

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**2.8**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	80-120	5/22/14 10:15	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1015

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	13S	**Units:**	µg/L
Lab Code:	R1403523-021	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1500
Date Received: 5/15/14
Date Analyzed: 5/22/14 10:51

Sample Name: 13D
Lab Code: R1403523-022

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.4**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**0.26**	J	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 10:51
Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	80-120	5/22/14 10:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1051

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14
Date Analyzed: 5/22/14 11:27

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**5.1**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.49**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14
Date Analyzed: 5/22/14 11:27

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.3**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 11:27	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1127

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	R1403523-023	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14 12:03

Sample Name: TRIP BLANK 2
Lab Code: R1403523-024

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14 12:03

Sample Name: TRIP BLANK 2
Lab Code: R1403523-024

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	0.19	J	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 12:03	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1203

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	TRIP BLANK 2	**Units:**	µg/L
Lab Code:	R1403523-024	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14 12:38

Sample Name: DUP-1
Lab Code: R1403523-025

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.3**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**6.2**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.56**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14 12:38

Sample Name: DUP-1
Lab Code: R1403523-025

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.7		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	80-120	5/22/14 12:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1238

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DUP-1	**Units:**	µg/L
Lab Code:	R1403523-025	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 23:23
Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**4.7**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.45**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 23:23
Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.5**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 23:23	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 2323

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/21/14 15:26
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405678-04	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**0.12**	J	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	**0.10**	J	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/21/14 15:26
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405678-04	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	5/21/14 15:26	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/21/14 1526

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405678-04	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 05:29
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405715-04	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: NA
Date Received: NA
Date Analyzed: 5/22/14 05:29

Sample Name: Method Blank
Lab Code: RQ1405715-04

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	80-120	5/22/14 05:29	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 0529

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405715-04	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: NA
Date Received: NA
Date Analyzed: 5/22/14 22:11

Sample Name: Method Blank
Lab Code: RQ1405787-05

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D\

Analysis Lot: 393854
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 22:11
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405787-05	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	80-120	5/22/14 22:11	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 2211

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405787-05	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14

Matrix Spike Summary
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name: M-26D
Lab Code: R1403523-017

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

Analyte Name	Sample Result	M-26DMS Matrix Spike RQ1405678-05 Result	Spike Amount	% Rec	M-26DDMS Duplicate Matrix Spike RQ1405678-06 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	5.33	5.00	107	5.11	5.00	102	60 - 140	4	30
1,2-Dibromoethane	ND	5.45	5.00	109	5.19	5.00	104	60 - 140	5	30
1,2-Dichloroethane	ND	5.41	5.00	108	5.62	5.00	112	60 - 140	4	30
1,2-Dichloropropane	ND	5.41	5.00	108	5.32	5.00	106	60 - 140	2	30
1,4-Dichlorobenzene	ND	4.76	5.00	95	4.70	5.00	94	60 - 140	1	30
Benzene	ND	5.10	5.00	102	5.08	5.00	102	60 - 140	<1	30
Bromoform	ND	4.69	5.00	94	4.81	5.00	96	60 - 140	3	30
Carbon Tetrachloride	ND	5.10	5.00	102	5.10	5.00	102	60 - 140	<1	30
cis-1,3-Dichloropropene	ND	4.94	5.00	99	4.71	5.00	94	60 - 140	5	30
Tetrachloroethene (PCE)	ND	5.00	5.00	100	5.04	5.00	101	60 - 140	<1	30
Trichloroethene (TCE)	ND	5.15	5.00	103	5.07	5.00	101	60 - 140	2	30
Vinyl Chloride	ND	5.42	5.00	108	5.30	5.00	106	60 - 140	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14

Matrix Spike Summary
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

Analyte Name	Sample Result	M-27DMS Matrix Spike RQ1405715-05 Result	Spike Amount	% Rec	M-27DDMS Duplicate Matrix Spike RQ1405715-06 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	5.25	5.00	105	5.12	5.00	102	60 - 140	3	30
1,2-Dibromoethane	ND	5.07	5.00	101	4.61	5.00	92	60 - 140	10	30
1,2-Dichloroethane	ND	4.85	5.00	97	5.07	5.00	101	60 - 140	4	30
1,2-Dichloropropane	ND	5.50	5.00	110	5.29	5.00	106	60 - 140	4	30
1,4-Dichlorobenzene	ND	5.37	5.00	107	5.37	5.00	107	60 - 140	<1	30
Benzene	ND	5.50	5.00	110	5.19	5.00	104	60 - 140	6	30
Bromoform	ND	4.70	5.00	94	4.64	5.00	93	60 - 140	1	30
Carbon Tetrachloride	5.1	10.9	5.00	116	10.2	5.00	102	60 - 140	6	30
cis-1,3-Dichloropropene	ND	5.35	5.00	107	5.11	5.00	102	60 - 140	5	30
Tetrachloroethene (PCE)	ND	6.00	5.00	120	5.64	5.00	113	60 - 140	6	30
Trichloroethene (TCE)	5.3	11.1	5.00	114	10.8	5.00	109	60 - 140	2	30
Vinyl Chloride	ND	5.47	5.00	109	5.45	5.00	109	60 - 140	<1	30

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/21/14

Lab Control Sample Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

Analysis Lot: 393569

Analyte Name	Lab Control Sample RQ1405678-03 Result	Spike Amount	% Rec	% Rec Limits
1,1,2-Trichloroethane	5.18	5.00	104	60 - 140
1,2-Dibromoethane	5.14	5.00	103	60 - 140
1,2-Dichloroethane	5.34	5.00	107	60 - 140
1,2-Dichloropropane	5.16	5.00	103	60 - 140
1,4-Dichlorobenzene	4.66	5.00	93	60 - 140
Benzene	4.93	5.00	99	60 - 140
Bromoform	4.78	5.00	96	60 - 140
Carbon Tetrachloride	4.91	5.00	98	60 - 140
cis-1,3-Dichloropropene	4.98	5.00	100	60 - 140
Tetrachloroethene (PCE)	4.80	5.00	96	60 - 140
Trichloroethene (TCE)	4.89	5.00	98	60 - 140
Vinyl Chloride	5.17	5.00	103	60 - 140

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/22/14

Lab Control Sample Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

Analysis Lot: 393678

Lab Control Sample
RQ1405715-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,2-Trichloroethane	5.07	5.00	101	60 - 140
1,2-Dibromoethane	4.70	5.00	94	60 - 140
1,2-Dichloroethane	4.76	5.00	95	60 - 140
1,2-Dichloropropane	5.08	5.00	102	60 - 140
1,4-Dichlorobenzene	5.10	5.00	102	60 - 140
Benzene	4.90	5.00	98	60 - 140
Bromoform	4.98	5.00	100	60 - 140
Carbon Tetrachloride	5.04	5.00	101	60 - 140
cis-1,3-Dichloropropene	4.82	5.00	96	60 - 140
Tetrachloroethene (PCE)	5.18	5.00	104	60 - 140
Trichloroethene (TCE)	4.89	5.00	98	60 - 140
Vinyl Chloride	5.08	5.00	102	60 - 140

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/22/14

Lab Control Sample Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

Analysis Lot: 393854

Analyte Name	Lab Control Sample RQ1405787-03 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1405787-04 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	4.81	5.00	96	4.84	5.00	97	60 - 140	<1	30
1,2-Dibromoethane	5.02	5.00	100	5.21	5.00	104	60 - 140	4	30
1,2-Dichloroethane	4.50	5.00	90	4.77	5.00	95	60 - 140	6	30
1,2-Dichloropropane	5.29	5.00	106	5.15	5.00	103	60 - 140	3	30
1,4-Dichlorobenzene	4.82	5.00	96	5.01	5.00	100	60 - 140	4	30
Benzene	5.31	5.00	106	5.18	5.00	104	60 - 140	2	30
Bromoform	4.79	5.00	96	5.19	5.00	104	60 - 140	8	30
Carbon Tetrachloride	5.47	5.00	109	5.01	5.00	100	60 - 140	9	30
cis-1,3-Dichloropropene	5.00	5.00	100	4.99	5.00	100	60 - 140	<1	30
Tetrachloroethene (PCE)	5.30	5.00	106	5.04	5.00	101	60 - 140	5	30
Trichloroethene (TCE)	5.27	5.00	105	5.10	5.00	102	60 - 140	3	30
Vinyl Chloride	5.10	5.00	102	5.04	5.00	101	60 - 140	1	30

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ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0845
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:00
Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1004.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0930
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 13:11
Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1016.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1020
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:20
Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1006.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1100
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:31
Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1007.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1145
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:42
Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1008.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1215
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:57
Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1009.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1300
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 12:07
Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1010.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1330
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 12:17
Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1011.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1345
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 12:30
Sample Name:	SW-F	**Units:**	µg/L
Lab Code:	R1403523-009	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1012.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1415
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 12:39
Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1013.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1445
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 13:01
Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1015.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0845
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:11
Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1016.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0930
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:20
Sample Name:	M-28S	**Units:**	µg/L
Lab Code:	R1403523-015	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1017.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1015
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:30
Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1018.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:41
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1019.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1200
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 14:11
Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1022.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1245
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 14:20
Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1023.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1330
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 14:33
Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1024.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1420
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 09:34
Sample Name:	13S	**Units:**	µg/L
Lab Code:	R1403523-021	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1004.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 09:44
Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1005.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1600
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 09:54
Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	R1403523-023	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1006.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 10:24
Sample Name:	DUP-1	**Units:**	µg/L
Lab Code:	R1403523-025	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1009.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 10:34
Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1010.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/19/14 10:38
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405270-01	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1002.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/20/14 09:14
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405335-01	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1002.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/19/14

Matrix Spike Summary
Dissolved Gases by GC/FID

Sample Name: M-26D
Lab Code: R1403523-017

Units: µg/L
Basis: NA

Analytical Method: RSK 175

Analyte Name	Sample Result	M-26DMS Matrix Spike RQ1405270-03 Result	Spike Amount	% Rec	M-26DDMS Duplicate Matrix Spike RQ1405270-04 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ethane	ND	49.3	52.0	95	48.8	52.0	94	56 - 156	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/20/14

Matrix Spike Summary
Dissolved Gases by GC/FID

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Analytical Method: RSK 175

Analyte Name	Sample Result	M-27DMS Matrix Spike RQ1405335-03 Result	Spike Amount	% Rec	M-27DDMS Duplicate Matrix Spike RQ1405335-04 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ethane	ND	46.7	52.0	90	47.6	52.0	91	56 - 156	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/19/14

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 393120

Lab Control Sample
RQ1405270-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethane	28.7	26.1	110	78 - 134

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/20/14

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 393211

Lab Control Sample
RQ1405335-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethane	26.5	26.1	102	78 - 134

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

METALS

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: R1403523 SDG No.: M-25D

Lab Code: _____ Case No.: _____ SAS No.: _____

SOW No.: SW846 CLP-M

Sample ID.	Lab Sample No.
SW-B	R1403523-010
13D	R1403523-022
M-27D	R1403523-023
M-27DD	R1403523-023D
M-27DS	R1403523-023S
DUP-2	R1403523-026

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See Attatched Case Narrative

Signature: Karen Bunker Name: Karen Bunker

Date: 6/12/14 Title: Project Manager

ALS Environmental

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-B

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Lab Sample ID: R1403523-010

Level (low/med): LOW Date Received: 5/14/2014

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.770	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

ALS Environmental

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

13D

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Lab Sample ID: R1403523-022

Level (low/med): LOW Date Received: 5/15/2014

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	63.5			P

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments: _____

00138

ALS Environmental

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

M-27D

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Lab Sample ID: R1403523-023

Level (low/med): LOW Date Received: 5/15/2014

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.3	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

ALS Environmental

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Lab Sample ID: R1403523-026

Level (low/med): LOW Date Received: 5/15/2014

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.2	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

-3-

BLANKS

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium	0.513	U	0.513	U	0.513	U	0.513	U	0.688	J	P

Comments:

METALS

-3-

BLANKS

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			0.513	U	0.513	U	-0.629	J			P

Comments:

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DS

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	75 - 125	203.00		1.25	J	200.0	101		P

Comments:

METALS
-5B-
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.: M-27DA

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium		200.00		1.25	J	200.0	99		P

Comments: _____

METALS
-6-
DUPLICATES

SAMPLE NO.

M-27DD

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		1.25	J	1.39	J	11		P

Comments: _____

00145

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Chromium	200	190	95					

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1415
Sample Matrix:	Water	**Date Received:**	5/14/14
Sample Name:	SW-B		
Lab Code:	R1403523-010	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/14/14 12:14	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
Sample Name:	13D		
Lab Code:	R1403523-022	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/15/14 09:40	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14

Sample Name: M-27D
Lab Code: R1403523-023

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/15/14 09:43	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
Sample Name:	DUP-2		
Lab Code:	R1403523-026	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/15/14 09:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1403523-MB1	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/14/14 12:12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1403523-MB2	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/15/14 09:38	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14
Date Received: 5/14/14
Date Analyzed: 5/14/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: SW-B
Lab Code: R1403523-010

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	Sample Result	SW-BDUP Duplicate Sample R1403523-010DUP Result	Average	RPD	RPD Limit
Chromium, Hexavalent	7196A	0.010	0.010 U	0.010 U	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14
Date Received: 5/14/14
Date Analyzed: 5/14/14

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SW-B
Lab Code: R1403523-010

Units: mg/L
Basis: NA

Analytical Method: 7196A

SW-BMS
Matrix Spike
R1403523-010MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	ND	0.104	0.100	104	85 - 115

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/15/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 13D
Lab Code: R1403523-022

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	Sample Result	13DDUP Duplicate Sample R1403523-022DUP Result	Average	RPD	RPD Limit
Chromium, Hexavalent	7196A	0.010	0.010 U	0.010 U	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/15/14

Matrix Spike Summary
General Chemistry Parameters

Sample Name: 13D
Lab Code: R1403523-022

Units: mg/L
Basis: NA

Analytical Method: 7196A

13DMS
Matrix Spike
R1403523-022MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	ND	0.104	0.100	104	85 - 115

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/14/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1403523-LCS1 Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	7196A	0.102	0.100	102	82 - 121

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/15/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1403523-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	7196A	0.0991	0.100	99	82 - 121

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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June 12, 2014

Service Request No: R1403523

Mr. Brian Neuman
CB&I Environmental & Infrastructure
13 British American Blvd.
Latham, NY 12110

Laboratory Results for: GE MRFA/151492.01

Dear Mr. Neuman:

Enclosed are the final data and summary package results of the sample(s) submitted to our laboratory between May 14, 2014 and May 15, 2014. For your reference, these analyses have been assigned our service request number **R1403523**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Janice Jaeger
Client Services Manager

ALS Environmental

SDG NARRATIVE

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

CASE NARRATIVE

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA	**Project Number:**	
Sample Matrix:	Water	**Date Received:**	5/14-15/14

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

Sample Receipt

Samples were collected on 05/13-14/14 and received at ALS on 05/14-15/14 at cooler temperatures of 4.1 and 5.7°C in good condition except as noted on the cooler receipt and preservation check form. The samples were stored in a refrigerator at 1 - 6 °C upon receipt at the laboratory.

Inorganic Analysis

Samples were analyzed for a site specific list of inorganics. Please see attached data pages for method numbers.

Sample DUP A was analyzed at a dilution due to negative peak on the straight sample.

Site specific QC was performed on samples SW-B and 13D instead of M-27D as requested. All MS recoveries and RPD's were acceptable.

The Method Blanks associated with these analyses were free of contamination.

No other analytical or QC problems were encountered.

Metals Analysis

Samples were analyzed for a site specific list of Metals by Methods 6010C.

Site specific QC was performed on M-27D as requested. All MS recoveries and RPD's were acceptable.

All LCS recoveries were within limits.

The Method Blanks associated with these analyses were free of contamination to the MRL.

No other analytical or QC problems were encountered.

Volatile Organics

Samples were analyzed for a site specific list of Volatile Organics by CLP Method OLC 2.1.

All Tuning criteria for BFB were within QC limits.

All the initial calibration and continuing calibration criteria were met for all analytes except 1,2-Dichloroethane and Trichloroethene on the 5/22/14 CCV run which had %Differences (%D) greater than ±20% but less than 40%. Any hits for these compounds associated with this CCV should be considered as estimated, however no hits were found for these compounds, no data was affected.

All Internal Standard Areas and surrogate standard recoveries were within QC limits.

The LCS/LCSD recoveries and RPD calculations were all acceptable.

Site specific QC was performed on M-26D and M-27D as requested. All MS/MSD recoveries and RPD's were acceptable.

Hits above the calibration range of the standards are flagged as "E", estimated. The sample is then repeated at the appropriate level for the hit. Both sets of data are included in the report. The hits on the subsequent dilution are flagged as "D".

The Method Blanks associated with these samples were free of contamination except for low level hits fro 1,2,3-Trichlorobenzene and Hexachlorobutadiene on the 5/21/14 run. No data was affected.

No analytical or QC problems were encountered.

RSK-175

Samples were analyzed for Ethane by Method RSK-175M.

All the initial and continuing calibration criteria were met for all analytes.

The LCS recoveries were all acceptable.

Site specific QC was requested on M-26D and M-27D as requested. All MS/MSD recoveries and RPD's were acceptable.

The Method Blanks associated with these samples were free of contamination.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature. Brian J Sanders 6/12/14

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #: 151492.01	Batch Complete: Yes	Date Revised:
Submission: R1403523	Diskette Requested: No	Date Due: 6/5/14
Client: CB&I	Date: 5/16/14	Protocol: EPA
Client Rep: JJAEGER	Custody Seal: Present/Absent:	Shipping No.:
Project: GE MRFA	Chain of Custody: Present/Absent:	SDG #: M-25D

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks Sample Condition
R1403523-001	M-25D	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-002	M-29D	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-003	M-24DR	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-004	DGC-3S	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-005	DGC-4S	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-006	SW-A	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-007	SW-G	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-008	SW-E	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-009	SW-F	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-010	SW-B	Water	RSK 175, 7196A, CLP-VOA OLC02.1, 6010C	5/13/14	5/14/14			
R1403523-011	SW-D	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-012	TRIP BLANK 1	Water	CLP-VOA OLC02.1	5/14/14	5/14/14			
R1403523-013	COOLER BLANK	Water	CLP-VOA OLC02.1	5/14/14	5/14/14			
R1403523-014	10S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-015	M-28S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-016	11D	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-017QC	M-26D	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-018	M-26S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-019	MW-1	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-020	MW-4	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-021	13S	Water	CLP-VOA OLC02.1, RSK 175	5/14/14	5/15/14			
R1403523-022	13D	Water	7196A, RSK 175, CLP-VOA OLC02.1, 6010C	5/14/14	5/15/14			
R1403523-023QC	M-27D	Water	7196A, RSK 175, CLP-VOA OLC02.1, 6010C	5/14/14	5/15/14			
R1403523-024	TRIP BLANK 2	Water	CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-025	DUP-1	Water	CLP-VOA OLC02.1, RSK 175	5/14/14	5/15/14			
R1403523-026	DUP-2	Water	RSK 175, 7196A, 6010C, CLP-VOA OLC02.1	5/14/14	5/15/14			

5000

Folder Comments: need extra 3 compounds, e-mail invoices to Karen and Steve, GE Minimum Standards

ALS Environmental

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

ALS Environmental

CHAINS OF CUSTODY

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 15309

ALS Environmental

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: GE MRFA	Project Number:
Project Manager: Brian Neumann	Report CC:
Company/Address: CB&I 13 British American Blvd Latham NY 12110	
Phone #: 518 785 2340	Email: brian.neumann@cbi.com
Sampler's Signature:	Sampler's Printed Name: Matt Dupuy

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 2 2

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 02.1 VOC	RSK 175 (Gases)	6010C (Cr T	7196A (Cr6				
M-25D		5.13.14	0845	GW	6								X	X						
M-29D		5.13.14	0930	GW	6								X	X						
M-24DR		5.13.14	1020	GW	6								X	X						
DGC-3DS		5.13.14	1100	GW	6								X	X						
DGC-4S		5.13.14	1145	GW	6								X	X						
SW-A		5.13.14	1215	GW	6								X	X						
SW-G		5.13.14	1300	GW	6								X	X						
SW-E		5.13.14	1330	GW	6								X	X						
SW-F		5.13.14	1345	GW	6								X	X						
SW-B		5.13.14	1415	GW	8								X	X	X	X				
SW-D		5.13.14	1445	GW	6								X	X						

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals
- Vinyl Chloride
- Ethane
- Plus Trip Blank for VOC

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
REQUESTED REPORT DATE _____

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
Edata _____ Yes _____ No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Matt Dupuy	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: CB&I	Firm	Firm	Firm	Firm	Firm
Date/Time: 5.13.14 / 1600	Date/Time: 5/14/14 0820	Date/Time	Date/Time	Date/Time	Date/Time

R1403523 7
CB&I Environmental & Infrastructure
GE MRFA

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

15309

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: GE MRFA	Project Number:
Project Manager: Brian Neumann	Report CC:
Company/Address: CB&I, 13 British American Blvd, Latham NY 12110	
Phone #: 518 785 2340	Email: brian.neumann@cbi.com
Sampler's Signature:	Sampler's Printed Name: Matt Dupuy

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 2 2

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260C 1,4-dioxane VOC	RSK 175 Ethane/Ethene	6010C Iron	7196A Cr6				
M-25D		5/13/14	0845	GW	6								X	X						
M-29D		5/13/14	0930	GW	6								X	X						
M-24DR		5/13/14	1020	GW	6								X	X						
DGC-3[illegible]5		5/13/14	1100	GW	6								X	X						
DGC-45		5/13/14	1145	GW	6								X	X						
SW-A		5/13/14	1215	GW	6								X	X						
SW-G		5/13/14	1300	GW	6								X	X						
SW-E		5/13/14	1330	GW	6								X	X						
SW-F		5/13/14	1345	GW	6								X	X						
SW-B		5/13/14	1415	GW	6								X	X	X	X				
SW-D		5/13/14	1445	GW	6								X	X						

Preservative Key: 0. NONE 1. HCL 2. HNO_3 3. H_2SO_4 4. NaOH 5. Zn. Acetate 6. MeOH 7. $NaHSO_4$ 8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Metals

- Vinyl Chloride
- Ethane
- Plus Trip Blank for VOC

hexachlorobutadine, 1,2,3-trichlorobenzene, trichlorofluoromethane

5/14/14 (M)

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_____ 1 day _____ 2 day _____ 3 day

_____ 4 day _____ 5 day

REQUESTED REPORT DATE _____

REPORT REQUIREMENTS

_____ I. Results Only

_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

_____ III. Results + QC and Calibration Summaries

_____ IV. Data Validation Report with Raw Data

Edata _____ Yes _____ No

INVOICE INFORMATION

PO #

BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Matt Dupuy	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: CB&I	Firm	Firm	Firm	Firm	Firm
Date/Time: 5/13/14 1600	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

Project/Client CBI Folder Number R14-3523

Cooler received on 5/14/14 by: D

COURIER: ALS (UPS) FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 5/14/14 Time: 0830 ID: (IR#3) IR#4 From: (Temp Blank) Sample Bottle

Observed Temp (°C)	4.1°						
Correction Factor (°C)	+0.0°						
Corrected Temp (°C)	4.1°						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by D on 5/14/14 at 0825

5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: JMS 5/14/14

Cooler Breakdown: Date: 5/14/14 Time: 2050 by: D

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3	✓		BDB26135B	4/15				
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**	4112120	4/15				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 112612-2VY, 4-002-003

Other Comments:

PC Secondary Review: JMS 5/20/14 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

15311

ALS Environmental

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name: GF MRFA	Project Number: 151492.01
Project Manager: Brian Neumann	Report CC:
Company/Address: CB&I 13 British American Blvd Latham NY 12110	
Phone #: 518 785 2340	Email: brian.neumann@cbi.com
Sampler's Signature:	Sampler's Printed Name: Matt Dupuy

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

NUMBER OF CONTAINERS

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	GC/MS VOAs • 8260 • 624 • CLP	GC/MS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 02.1 VOC	RSK 175/Gases	6010 C/CC I	7196A/CrVI					REMARKS/ ALTERNATE DESCRIPTION
10 S		5-14-14	0845	GW								X	X							
M-28 S		5-14-14	0930	GW								X	X							
11 D		5-14-14	1015	GW								X	X							
M-26 D		5-14-14	1115	GW								X	X							
M-26 S		5-14-14	1200	GW								X	X							
MW-1		5-14-14	1245	GW								X	X							
MW-4		5-14-14	1330	GW								X	X							
13 S		5-14-14	1420	GW								X	X							
13 D		5-14-14	1500	GW								X	X	X	X					
M-27 D		5-14-14	1600	GW								X	X	X	X					
TRIP Blank		5-14-14	—	~~GW~~								X	X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Metals Please Add to VOC list Plus
- Hexachloro butadine
- 1,2,3 - Trichlorobenzene
- Trichloro floro methane
- Vinyl Chloride
- Ethane

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day

REQUESTED REPORT DATE _____

REPORT REQUIREMENTS

_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data

Edata _____ Yes _____ No

INVOICE INFORMATION

PO # _____

BILL TO: _____

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	
Printed Name: Matt Dupuy	Printed Name: J. Seward	Printed Name	Printed Name	Printed Name	
Firm: CBI	Firm: ALS	Firm	Firm	Firm	
Date/Time: 1700/5/14	Date/Time: 5/15/14 0755	Date/Time	Date/Time	Date/Time	

R1403523 7
CB&I Environmental & Infrastructure
GE MRFA

Distribution: White - Lab Copy; Yellow - Return to Originator

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 15310

ALS Environmental

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

Project Name: GE MRFA	Project Number: 151492.01
Project Manager: Brian Neumann	Report CC:
Company/Address: CB+I 13 British American Blvd Latham NY 12110	
Phone #: 518 785 2340	Email: brian.neumann@cbi.com
Sampler's Signature:	Sampler's Printed Name: Matt Duffy

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

NUMBER OF CONTAINERS

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 02.1 VOC	RSK 175/Gases	6010 C/Cr+	7196A/1636				
DUP-1		—	—	GW								X	X						
DUP-2		—	—	GW								X	X	X	X				
M-26D MS/MSD		5-14-14	1115	GW								X	X						
M-27D MS		5-14-14	1600	GW								X	X	X	X				
M-27D MSD		5-14-14	1600	GW								X	X	X	X				

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Metals Please add to VOC's
- Hexachloro butadine
- 1,2,3-Trichlorobenzene
- Trichloro floromethane
- Vinyl Chloride
- Ethane

See OAPP ☐

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_____ 1 day _____ 2 day _____ 3 day

_____ 4 day _____ 5 day

REQUESTED REPORT DATE _____

REPORT REQUIREMENTS

____ I. Results Only

____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Repo

Edata ____ Yes

INVOICE INFORMATION

PO #

BILL TO:

R1403523 7
CB&I Environmental & Infrastructure
GE MRFA

STATE WHERE SAMPLES WERE COLLECTED

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RELINQUISHED BY
Signature:	Signature:	Signature	Signature	Signature	Signature
Printed Name: Matt Duffy	Printed Name: S. Stewart	Printed Name	Printed Name	Printed Name	Printed Name
Firm: CB+I	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 1700 5/14	Date/Time: 5/15/14 0755	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

Project/Client CB+I Folder Number R14-3523

Cooler received on 5/15/14 by: JJS COURIER: ALS (UPS) FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: ~~Wet Ice~~ **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 5/15/14 Time: 0807 ID: ~~IR#3~~ IR#4 From: Temp Blank (Sample Bottle)

Observed Temp (°C)	5.5						
Correction Factor (°C)	+0.2						
Corrected Temp (°C)	5.7						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: rack by JJS on 5/15/14 at 0807
5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: JMS 5/15/14

Cooler Breakdown: Date: 5/15/14 Time: 1310 by: (JJS)

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3	✓		BDB26135B	4/15				
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).		--	- -		
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**	4112120	4/15				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 4-002-003, 112612-2VV

Other Comments:

PC Secondary Review: JMS 5/20/14 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS ENVIRONMENTAL

Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1403523-001.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
		5/22/14	1818	In Lab / DLIPANI	
		5/22/14	1842	R-001-S11 / DLIPANI	
R1403523-001.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-001.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/22/14	1818	In Lab / DLIPANI	
		5/22/14	1842	R-001-S11 / DLIPANI	
R1403523-001.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0941	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-001.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-001.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-002.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-002.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-002.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/22/14	1842	R-001-S11 / DLIPANI	
		5/22/14	1842	In Lab / DLIPANI	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		5/22/14	1946	R-001-S11 / DLIPANI	
R1403523-002.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0941	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-002.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-002.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-003.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-003.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-003.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-003.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0941	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-003.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-003.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-004.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-004.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-004.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-004.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0941	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-004.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-004.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-005.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-005.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-005.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-005.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-005.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	

ALS ENVIRONMENTAL

Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1403523-005.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-006.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-006.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-006.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-006.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-006.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-006.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-007.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-007.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-007.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-007.04					

00017

ALS ENVIRONMENTAL

Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-007.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-007.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-008.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-008.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-008.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-008.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-008.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-008.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-009.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1403523-009.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-009.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-009.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-009.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-009.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-010.01					
	6010C				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-A01 / GLAFORCE	
		5/20/14	1331	In Lab / MCRIBBIN	
		5/21/14	1059	R-002 / MCRIBBIN	
R1403523-010.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-010.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-010.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-010.05					
	7196A				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-002 / GLAFORCE	
R1403523-010.06					

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-010.07					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-010.08					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-011.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1836	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-011.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-011.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-011.04					
	RSK 175				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-011.05					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-011.06					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-012.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/21/14	1836	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1403523-012.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-012.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-013.01					
	CLP-VOA OLC02.1				
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
		5/22/14	1818	In Lab / DLIPANI	
		5/22/14	1946	R-001-S11 / DLIPANI	
R1403523-013.02					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-013.03					
		5/14/14	2054	SMO / GLAFORCE	
		5/14/14	2055	R-001 / GLAFORCE	
R1403523-014.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/21/14	1853	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-014.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-014.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-014.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-014.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-014.06					
		5/15/14	0828	SMO / GLAFORCE	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-015.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/21/14	1853	In Lab / DLIPANI	
		5/21/14	2040	R-001-S11 / DLIPANI	
R1403523-015.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-015.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-015.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-015.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-015.06					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-016.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/21/14	1853	In Lab / DLIPANI	
		5/21/14	2039	R-001-S11 / DLIPANI	
R1403523-016.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-016.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-016.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	

ALS ENVIRONMENTAL

Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-016.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-016.06					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/21/14	1501	In Lab / DLIPANI	
		5/21/14	2039	R-001-S11 / DLIPANI	
R1403523-017.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-017.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.06					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.07					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.08					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.09					
		5/15/14	1314	SMO / GLAFORCE	

ALS ENVIRONMENTAL

Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.10					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.11					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-017.12					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-018.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/21/14	1853	In Lab / DLIPANI	
		5/21/14	2039	R-001-S11 / DLIPANI	
R1403523-018.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-018.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-018.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-018.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-018.06					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-019.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/21/14	1853	In Lab / DLIPANI	
		5/21/14	2039	R-001-S11 / DLIPANI	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1403523-019.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-019.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-019.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-019.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-019.06					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-020.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/22/14	0840	In Lab / DLIPANI	
		5/22/14	1817	R-001-S11 / DLIPANI	
R1403523-020.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-020.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-020.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/19/14	0942	In Lab / JCUSHMAN	
		5/19/14	1508	R-001-S02 / JCUSHMAN	
R1403523-020.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-020.06					
		5/15/14	0828	SMO / GLAFORCE	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-021.01					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/22/14	1817	R-001-S11 / DLIPANI	
R1403523-021.02					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/22/14	0840	In Lab / DLIPANI	
R1403523-021.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-021.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/20/14	0732	In Lab / JCUSHMAN	
		5/20/14	1353	R-001-S02 / JCUSHMAN	
R1403523-021.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-021.06					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-022.01					
	6010C				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-A01 / GLAFORCE	
		5/20/14	1331	In Lab / MCRIBBIN	
		5/21/14	1059	R-002 / MCRIBBIN	
R1403523-022.02					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/20/14	0732	In Lab / JCUSHMAN	
		5/20/14	1353	R-001-S02 / JCUSHMAN	
R1403523-022.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-022.04					

ALS ENVIRONMENTAL

Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-022.05					
	7196A				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-002 / GLAFORCE	
R1403523-022.06					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/22/14	0840	In Lab / DLIPANI	
		5/22/14	1817	R-001-S11 / DLIPANI	
R1403523-022.07					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-022.08					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.01					
	6010C				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-A01 / GLAFORCE	
		5/20/14	1331	In Lab / MCRIBBIN	
		5/21/14	1059	R-002 / MCRIBBIN	
R1403523-023.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.04					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.05					
	7196A				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-002 / GLAFORCE	
R1403523-023.06					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1403523-023.07					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.08					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.09					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-A01 / GLAFORCE	
		5/20/14	1331	In Lab / MCRIBBIN	
		5/21/14	1100	R-002 / MCRIBBIN	
R1403523-023.10					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-A01 / GLAFORCE	
		5/20/14	1331	In Lab / MCRIBBIN	
		5/21/14	1059	R-002 / MCRIBBIN	
R1403523-023.11					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-002 / GLAFORCE	
R1403523-023.12					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-002 / GLAFORCE	
R1403523-023.13					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.14					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.15					
	RSK 175				
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/20/14	0732	In Lab / JCUSHMAN	
		5/20/14	1353	R-001-S02 / JCUSHMAN	
R1403523-023.16					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.17					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	

ALS ENVIRONMENTAL

Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1403523-023.18					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.19					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.20					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.21					
	CLP-VOA OLC02.1				
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/22/14	0840	In Lab / DLIPANI	
		5/22/14	1817	R-001-S11 / DLIPANI	
R1403523-023.22					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.23					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-023.24					
		5/15/14	1314	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-024.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/22/14	0840	In Lab / DLIPANI	
		5/22/14	1817	R-001-S11 / DLIPANI	
R1403523-024.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-024.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-025.01					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/22/14	0840	In Lab / DLIPANI	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		5/22/14	1817	R-001-S11 / DLIPANI	
R1403523-025.02					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-025.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-025.04					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/20/14	0732	In Lab / JCUSHMAN	
		5/20/14	1353	R-001-S02 / JCUSHMAN	
R1403523-025.05					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-025.06					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-026.01					
	6010C				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-A01 / GLAFORCE	
		5/20/14	1331	In Lab / MCRIBBIN	
		5/21/14	1100	R-002 / MCRIBBIN	
R1403523-026.02					
	RSK 175				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/20/14	0732	In Lab / JCUSHMAN	
		5/20/14	1353	R-001-S02 / JCUSHMAN	
R1403523-026.03					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-026.04					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-026.05					
	7196A				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-002 / GLAFORCE	

ALS ENVIRONMENTAL
Chain of Custody Report

Client: CB&I Environmental & Infrastructure
Project: GE MRFA/151492.01

Service Request: R1403523

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1403523-026.06					
	CLP-VOA OLC02.1				
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
		5/22/14	1818	In Lab / DLIPANI	
		5/22/14	1946	R-001-S11 / DLIPANI	
R1403523-026.07					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	
R1403523-026.08					
		5/15/14	0828	SMO / GLAFORCE	
		5/15/14	1315	R-001 / GLAFORCE	

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ALS Environmental

VOLATILE ORGANICS
QC SUMMARY

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14

Matrix Spike Summary
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name: M-26D
Lab Code: R1403523-017

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

Analyte Name	Sample Result	M-26DMS Matrix Spike RQ1405678-05 Result	Spike Amount	% Rec	M-26DDMS Duplicate Matrix Spike RQ1405678-06 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	5.33	5.00	107	5.11	5.00	102	60 - 140	4	30
1,2-Dibromoethane	ND	5.45	5.00	109	5.19	5.00	104	60 - 140	5	30
1,2-Dichloroethane	ND	5.41	5.00	108	5.62	5.00	112	60 - 140	4	30
1,2-Dichloropropane	ND	5.41	5.00	108	5.32	5.00	106	60 - 140	2	30
1,4-Dichlorobenzene	ND	4.76	5.00	95	4.70	5.00	94	60 - 140	1	30
Benzene	ND	5.10	5.00	102	5.08	5.00	102	60 - 140	<1	30
Bromoform	ND	4.69	5.00	94	4.81	5.00	96	60 - 140	3	30
Carbon Tetrachloride	ND	5.10	5.00	102	5.10	5.00	102	60 - 140	<1	30
cis-1,3-Dichloropropene	ND	4.94	5.00	99	4.71	5.00	94	60 - 140	5	30
Tetrachloroethene (PCE)	ND	5.00	5.00	100	5.04	5.00	101	60 - 140	<1	30
Trichloroethene (TCE)	ND	5.15	5.00	103	5.07	5.00	101	60 - 140	2	30
Vinyl Chloride	ND	5.42	5.00	108	5.30	5.00	106	60 - 140	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14

Matrix Spike Summary
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

Analyte Name	Sample Result	M-27DMS Matrix Spike RQ1405715-05 Result	Spike Amount	% Rec	M-27DDMS Duplicate Matrix Spike RQ1405715-06 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	5.25	5.00	105	5.12	5.00	102	60 - 140	3	30
1,2-Dibromoethane	ND	5.07	5.00	101	4.61	5.00	92	60 - 140	10	30
1,2-Dichloroethane	ND	4.85	5.00	97	5.07	5.00	101	60 - 140	4	30
1,2-Dichloropropane	ND	5.50	5.00	110	5.29	5.00	106	60 - 140	4	30
1,4-Dichlorobenzene	ND	5.37	5.00	107	5.37	5.00	107	60 - 140	<1	30
Benzene	ND	5.50	5.00	110	5.19	5.00	104	60 - 140	6	30
Bromoform	ND	4.70	5.00	94	4.64	5.00	93	60 - 140	1	30
Carbon Tetrachloride	5.1	10.9	5.00	116	10.2	5.00	102	60 - 140	6	30
cis-1,3-Dichloropropene	ND	5.35	5.00	107	5.11	5.00	102	60 - 140	5	30
Tetrachloroethene (PCE)	ND	6.00	5.00	120	5.64	5.00	113	60 - 140	6	30
Trichloroethene (TCE)	5.3	11.1	5.00	114	10.8	5.00	109	60 - 140	2	30
Vinyl Chloride	ND	5.47	5.00	109	5.45	5.00	109	60 - 140	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/21/14

Lab Control Sample Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

Analysis Lot: 393569

Lab Control Sample
RQ1405678-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,2-Trichloroethane	5.18	5.00	104	60 - 140
1,2-Dibromoethane	5.14	5.00	103	60 - 140
1,2-Dichloroethane	5.34	5.00	107	60 - 140
1,2-Dichloropropane	5.16	5.00	103	60 - 140
1,4-Dichlorobenzene	4.66	5.00	93	60 - 140
Benzene	4.93	5.00	99	60 - 140
Bromoform	4.78	5.00	96	60 - 140
Carbon Tetrachloride	4.91	5.00	98	60 - 140
cis-1,3-Dichloropropene	4.98	5.00	100	60 - 140
Tetrachloroethene (PCE)	4.80	5.00	96	60 - 140
Trichloroethene (TCE)	4.89	5.00	98	60 - 140
Vinyl Chloride	5.17	5.00	103	60 - 140

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/22/14

Lab Control Sample Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

Analysis Lot: 393678

Analyte Name	Lab Control Sample RQ1405715-03 Result	Spike Amount	% Rec	% Rec Limits
1,1,2-Trichloroethane	5.07	5.00	101	60 - 140
1,2-Dibromoethane	4.70	5.00	94	60 - 140
1,2-Dichloroethane	4.76	5.00	95	60 - 140
1,2-Dichloropropane	5.08	5.00	102	60 - 140
1,4-Dichlorobenzene	5.10	5.00	102	60 - 140
Benzene	4.90	5.00	98	60 - 140
Bromoform	4.98	5.00	100	60 - 140
Carbon Tetrachloride	5.04	5.00	101	60 - 140
cis-1,3-Dichloropropene	4.82	5.00	96	60 - 140
Tetrachloroethene (PCE)	5.18	5.00	104	60 - 140
Trichloroethene (TCE)	4.89	5.00	98	60 - 140
Vinyl Chloride	5.08	5.00	102	60 - 140

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/22/14

Lab Control Sample Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

Analysis Lot: 393854

Analyte Name	Lab Control Sample RQ1405787-03 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1405787-04 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	4.81	5.00	96	4.84	5.00	97	60 - 140	<1	30
1,2-Dibromoethane	5.02	5.00	100	5.21	5.00	104	60 - 140	4	30
1,2-Dichloroethane	4.50	5.00	90	4.77	5.00	95	60 - 140	6	30
1,2-Dichloropropane	5.29	5.00	106	5.15	5.00	103	60 - 140	3	30
1,4-Dichlorobenzene	4.82	5.00	96	5.01	5.00	100	60 - 140	4	30
Benzene	5.31	5.00	106	5.18	5.00	104	60 - 140	2	30
Bromoform	4.79	5.00	96	5.19	5.00	104	60 - 140	8	30
Carbon Tetrachloride	5.47	5.00	109	5.01	5.00	100	60 - 140	9	30
cis-1,3-Dichloropropene	5.00	5.00	100	4.99	5.00	100	60 - 140	<1	30
Tetrachloroethene (PCE)	5.30	5.00	106	5.04	5.00	101	60 - 140	5	30
Trichloroethene (TCE)	5.27	5.00	105	5.10	5.00	102	60 - 140	3	30
Vinyl Chloride	5.10	5.00	102	5.04	5.00	101	60 - 140	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Analyzed:**	5/21/14 15:26
Sample Matrix:	Water		

Method Blank Summary
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-06
Lab Code:	RQ1405678-04	**File ID:**	I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D\
Analytical Method:	CLP-VOA OLC02.1		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1405678-03	I:\ACQUDATA\MSVOA6\DATA\052114\L4971.D\	5/21/14 14:14
M-29D	R1403523-002	I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D\	5/21/14 16:02
M-24DR	R1403523-003	I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D\	5/21/14 16:34
M-26D	R1403523-017	I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D\	5/21/14 17:05
DGC-4S	R1403523-005	I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D\	5/21/14 17:38
DGC-3S	R1403523-004	I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D\	5/21/14 18:12
SW-A	R1403523-006	I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D\	5/21/14 18:45
SW-G	R1403523-007	I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D\	5/21/14 19:21
SW-E	R1403523-008	I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D\	5/21/14 19:57
SW-F	R1403523-009	I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D\	5/21/14 20:32
SW-B	R1403523-010	I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D\	5/21/14 21:08
SW-D	R1403523-011	I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D\	5/21/14 21:44
M-25D	R1403523-001	I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D\	5/21/14 22:20
M-26DMS	RQ1405678-05	I:\ACQUDATA\MSVOA6\DATA\052114\L4988.D\	5/22/14 00:08
M-26DDMS	RQ1405678-06	I:\ACQUDATA\MSVOA6\DATA\052114\L4989.D\	5/22/14 00:43

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/22/14 05:29

Method Blank Summary
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1405715-04
Instrument ID: R-MS-06
File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D\

Analytical Method: CLP-VOA OLC02.1

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1405715-03	I:\ACQUDATA\MSVOA6\DATA\052114\L4994.D\	5/22/14 03:42
TRIP BLANK 1	R1403523-012	I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D\	5/22/14 06:05
10S	R1403523-014	I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D\	5/22/14 06:41
M-28S	R1403523-015	I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D\	5/22/14 07:17
11D	R1403523-016	I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D\	5/22/14 07:52
M-26S	R1403523-018	I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D\	5/22/14 08:28
MW-1	R1403523-019	I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D\	5/22/14 09:04
MW-4	R1403523-020	I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D\	5/22/14 09:40
13S	R1403523-021	I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D\	5/22/14 10:15
13D	R1403523-022	I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D\	5/22/14 10:51
M-27D	R1403523-023	I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D\	5/22/14 11:27
TRIP BLANK 2	R1403523-024	I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D\	5/22/14 12:03
DUP-1	R1403523-025	I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D\	5/22/14 12:38
M-27DMS	RQ1405715-05	I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D\	5/22/14 13:14
M-27DDMS	RQ1405715-06	I:\ACQUDATA\MSVOA6\DATA\052114\L5011.D\	5/22/14 13:50

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/22/14 22:11

Method Blank Summary
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1405787-05
Instrument ID: R-MS-06
File ID: I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D\

Analytical Method: CLP-VOA OLC02.1

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1405787-03	I:\ACQUDATA\MSVOA6\DATA\052214\L5021.D\	5/22/14 19:48
Duplicate Lab Control Sample	RQ1405787-04	I:\ACQUDATA\MSVOA6\DATA\052214\L5022.D\	5/22/14 20:24
M-29DDL	R1403523-002	I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D\	5/22/14 22:47
DUP-2	R1403523-026	I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D\	5/22/14 23:23
COOLER BLANK	R1403523-013	I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D\	5/22/14 23:58

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 10/26/13 11:34

Tune Summary
Low Level Water Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA6\DATA\102613\L1136.D\
Instrument ID: R-MS-06

Analytical Method: CLP-VOA
Analysis Lot: 223852

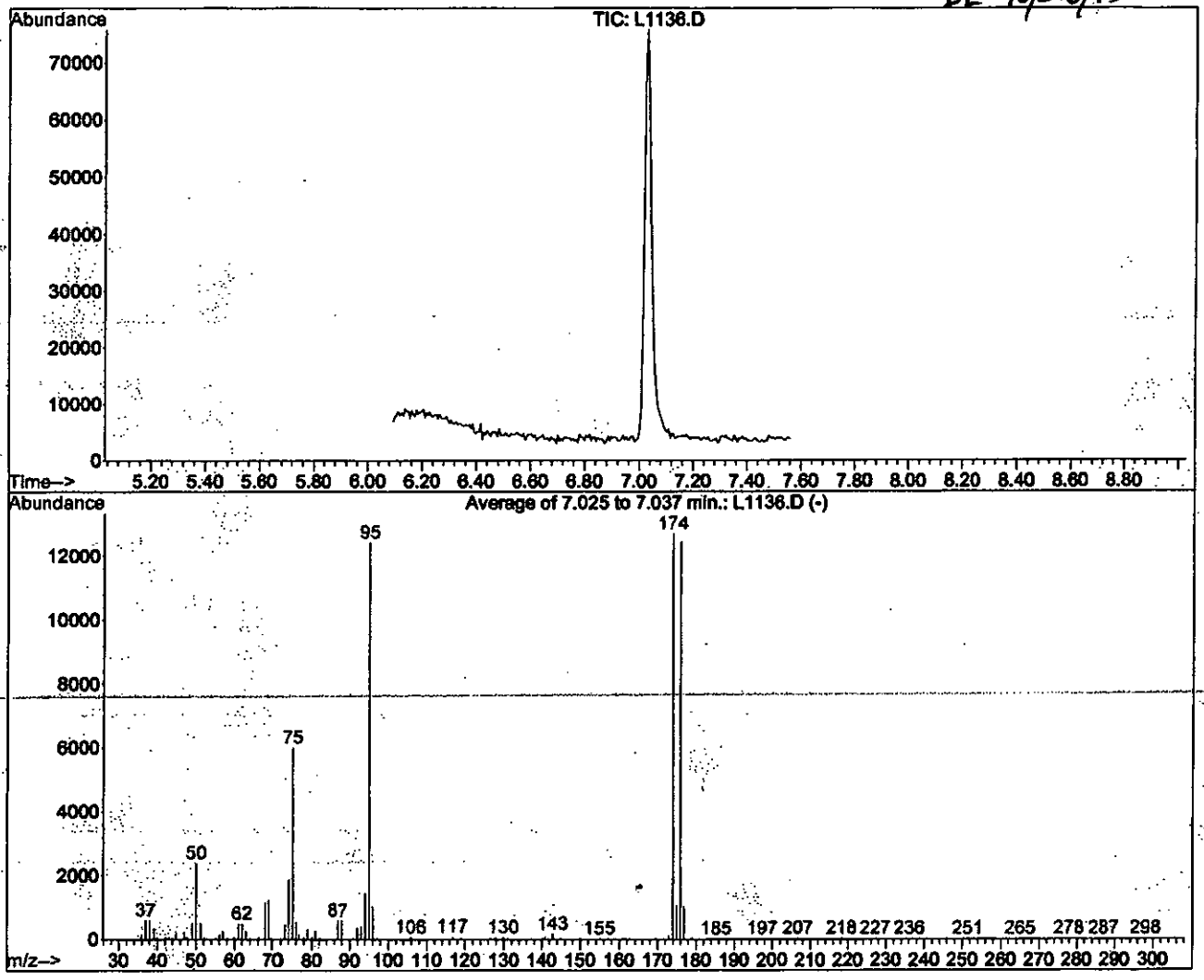
Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	8.0	40.0	19.25	2391	Pass
75	95	30.0	66.0	48.38	6011	Pass
95	95	100	100	100.00	12424	Pass
96	95	5.0	9.0	8.29	1030	Pass
173	174	0	2.0	1.05	133	Pass
174	95	50.0	120.0	102.26	12705	Pass
175	174	4.0	9.0	8.47	1076	Pass
176	174	93.0	101.0	97.91	12440	Pass
177	176	5.0	9.0	8.24	1025	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Initial CalibrationICAL	1.0/5.0 ppb	I:\ACQUDATA\MSVOA6\DATA\102613\L1139.D\	10/26/13 12:51	
Initial CalibrationICAL	2.0/10 ppb	I:\ACQUDATA\MSVOA6\DATA\102613\L1140.D\	10/26/13 13:25	
Initial CalibrationICAL	5.0/25 ppb	I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D\	10/26/13 13:57	
Initial CalibrationICAL	10/50 ppb	I:\ACQUDATA\MSVOA6\DATA\102613\L1142.D\	10/26/13 14:33	
Initial CalibrationICAL	25/125 ppb	I:\ACQUDATA\MSVOA6\DATA\102613\L1143.D\	10/26/13 15:34	

BFB

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1136.D Vial: 5
Acq On : 26 Oct 2013 11:34 am Operator: D.LIPANI
Sample : TUNE CHECK Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS

DL 10/26/13



AutoFind: Scans 154, 155, 156; Background Corrected with Scan 148

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.2	2391	PASS
75	95	30	66	48.4	6011	PASS
95	95	100	100	100.0	12424	PASS
96	95	5	9	8.3	1030	PASS
173	174	0.00	2	1.0	133	PASS
174	95	50	120	102.3	12705	PASS
175	174	4	9	8.5	1076	PASS
176	174	93	101	97.9	12440	PASS
177	176	5	9	8.2	1025	PASS

L1136.D OLC1026.M Sat Oct 26 11:42:03 2013

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/21/14 12:58

Tune Summary
Low Level Water Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4969.D\
Instrument ID: R-MS-06

Analytical Method: CLP-VOA OLC
Analysis Lot: 393569

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	8.0	40.0	21.10	4059	Pass
75	95	30.0	66.0	47.60	9156	Pass
95	95	100	100	100.00	19235	Pass
96	95	5.0	9.0	6.47	1245	Pass
173	174	0	2.0	1.52	258	Pass
174	95	50.0	120.0	88.04	16935	Pass
175	174	4.0	9.0	8.06	1365	Pass
176	174	93.0	101.0	98.69	16713	Pass
177	176	5.0	9.0	7.44	1244	Pass

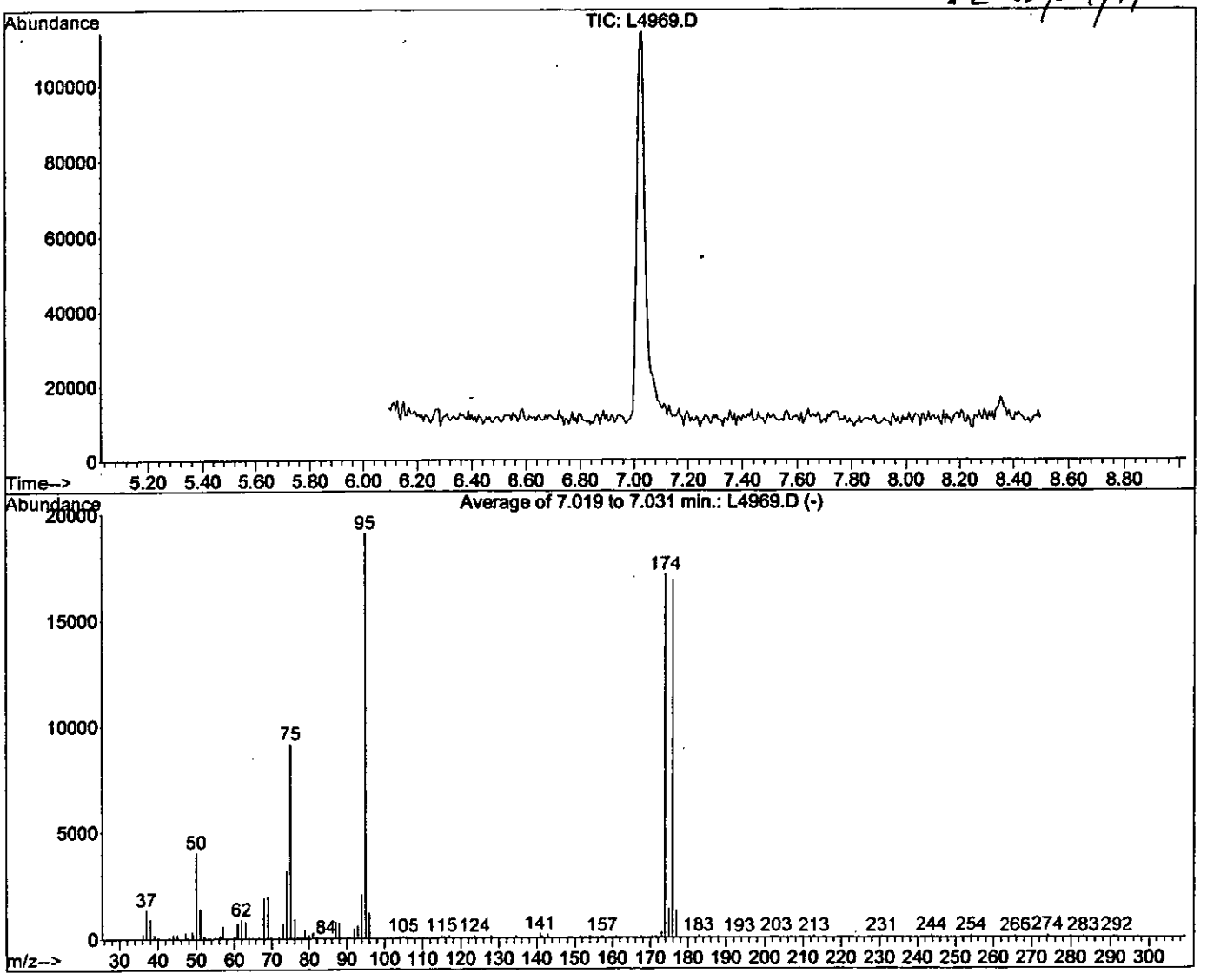
Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	RQ1405678-02	I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D\	5/21/14 13:44	
Lab Control Sample	RQ1405678-03	I:\ACQUDATA\MSVOA6\DATA\052114\L4971.D\	5/21/14 14:14	
Method Blank	RQ1405678-04	I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D\	5/21/14 15:26	
M-29D	R1403523-002	I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D\	5/21/14 16:02	
M-24DR	R1403523-003	I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D\	5/21/14 16:34	
M-26D	R1403523-017	I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D\	5/21/14 17:05	
DGC-4S	R1403523-005	I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D\	5/21/14 17:38	
DGC-3S	R1403523-004	I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D\	5/21/14 18:12	
SW-A	R1403523-006	I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D\	5/21/14 18:45	
SW-G	R1403523-007	I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D\	5/21/14 19:21	
SW-E	R1403523-008	I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D\	5/21/14 19:57	
SW-F	R1403523-009	I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D\	5/21/14 20:32	
SW-B	R1403523-010	I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D\	5/21/14 21:08	
SW-D	R1403523-011	I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D\	5/21/14 21:44	
M-25D	R1403523-001	I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D\	5/21/14 22:20	
M-26DMS	RQ1405678-05	I:\ACQUDATA\MSVOA6\DATA\052114\L4988.D\	5/22/14 00:08	
M-26DDMS	RQ1405678-06	I:\ACQUDATA\MSVOA6\DATA\052114\L4989.D\	5/22/14 00:43	

BFB

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4969.D
Acq On : 21 May 2014 12:58 pm
Sample : TUNE CHECK RQ1405678-01
Misc : OLC 2.1
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS

Vial: 7
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

DL 05/21/14



Spectrum Information: Average of 7.019 to 7.031 min.

Sub. Scan = 148

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.3	4059	PASS
75	95	30	66	48.0	9156	PASS
95	95	100	100	100.0	19088	PASS
96	95	5	9	6.2	1190	PASS
173	174	0.00	2	1.5	258	PASS
174	95	50	120	89.7	17119	PASS
175	174	4	9	8.0	1365	PASS
176	174	93	101	98.4	16839	PASS
177	176	5	9	7.6	1286	PASS

00045

L4969.D OLC1026.M Thu May 22 18:29:06 2014

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/22/14 01:55

Tune Summary
Low Level Water Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4991.D\
Instrument ID: R-MS-06

Analytical Method: CLP-VOA OLC
Analysis Lot: 393678

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	8.0	40.0	21.83	4539	Pass
75	95	30.0	66.0	51.16	10639	Pass
95	95	100	100	100.00	20795	Pass
96	95	5.0	9.0	8.52	1772	Pass
173	174	0	2.0	0.00	0	Pass
174	95	50.0	120.0	91.50	19027	Pass
175	174	4.0	9.0	7.82	1487	Pass
176	174	93.0	101.0	94.76	18030	Pass
177	176	5.0	9.0	7.99	1440	Pass

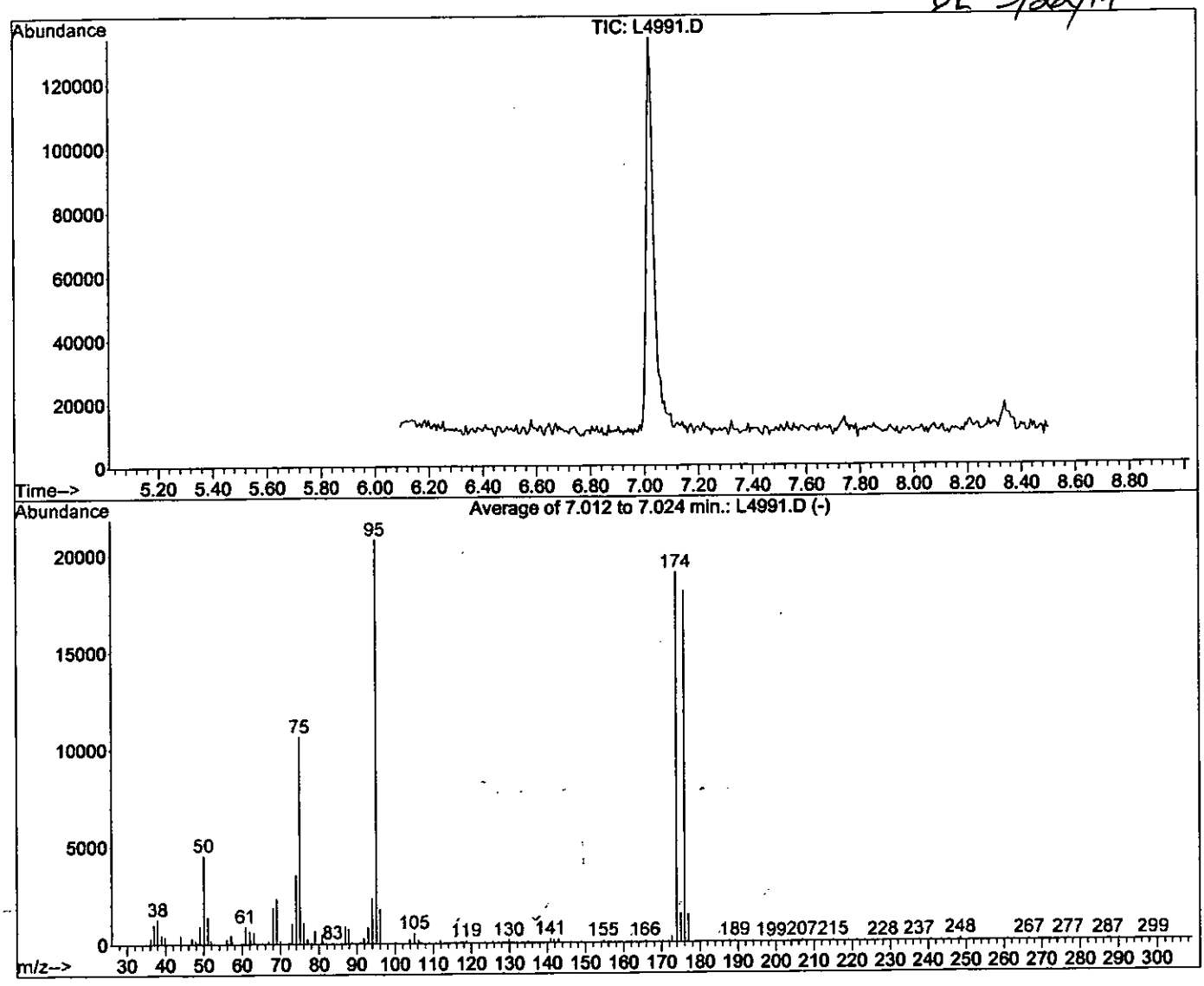
Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	RQ1405715-02	I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D\	5/22/14 03:06	
Lab Control Sample	RQ1405715-03	I:\ACQUDATA\MSVOA6\DATA\052114\L4994.D\	5/22/14 03:42	
Method Blank	RQ1405715-04	I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D\	5/22/14 05:29	
TRIP BLANK 1	R1403523-012	I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D\	5/22/14 06:05	
10S	R1403523-014	I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D\	5/22/14 06:41	
M-28S	R1403523-015	I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D\	5/22/14 07:17	
11D	R1403523-016	I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D\	5/22/14 07:52	
M-26S	R1403523-018	I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D\	5/22/14 08:28	
MW-1	R1403523-019	I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D\	5/22/14 09:04	
MW-4	R1403523-020	I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D\	5/22/14 09:40	
13S	R1403523-021	I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D\	5/22/14 10:15	
13D	R1403523-022	I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D\	5/22/14 10:51	
M-27D	R1403523-023	I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D\	5/22/14 11:27	
TRIP BLANK 2	R1403523-024	I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D\	5/22/14 12:03	
DUP-1	R1403523-025	I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D\	5/22/14 12:38	
M-27DMS	RQ1405715-05	I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D\	5/22/14 13:14	
M-27DDMS	RQ1405715-06	I:\ACQUDATA\MSVOA6\DATA\052114\L5011.D\	5/22/14 13:50	

BFB

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4991.D
Acq On : 22 May 2014 1:55 am
Sample : TUNE CHECK RQ1405715-01
Misc : OLC 2.1
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS

Vial: 29
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

DL 5/22/14



AutoFind: Scans 152, 153, 154; Background Corrected with Scan 145

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.8	4539	PASS
75	95	30	66	51.2	10639	PASS
95	95	100	100	100.0	20795	PASS
96	95	5	9	8.5	1772	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.5	19027	PASS
175	174	4	9	7.8	1487	PASS
176	174	93	101	94.8	18030	PASS
177	176	5	9	8.0	1440	PASS

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/22/14 18:21

Tune Summary
Low Level Water Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA6\DATA\052214\L5019.D\
Instrument ID: R-MS-06

Analytical Method: CLP-VOA OLC
Analysis Lot: 393854

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	8.0	40.0	19.10	4179	Pass
75	95	30.0	66.0	43.19	9448	Pass
95	95	100	100	100.00	21877	Pass
96	95	5.0	9.0	6.45	1412	Pass
173	174	0	2.0	0.25	46	Pass
174	95	50.0	120.0	83.71	18313	Pass
175	174	4.0	9.0	8.45	1548	Pass
176	174	93.0	101.0	96.21	17619	Pass
177	176	5.0	9.0	6.83	1203	Pass

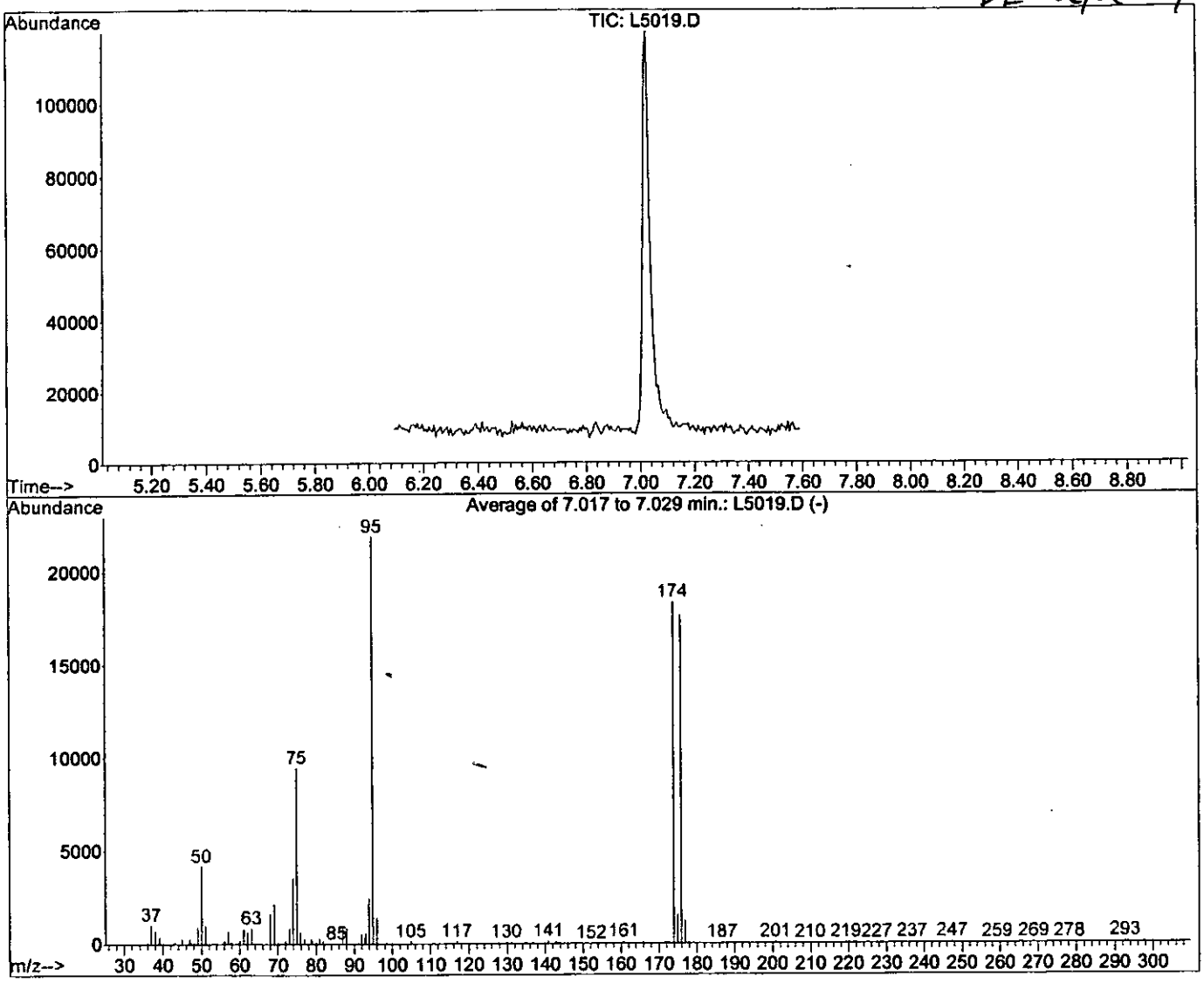
Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	RQ1405787-02	I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D\	5/22/14 18:59	
Lab Control Sample	RQ1405787-03	I:\ACQUDATA\MSVOA6\DATA\052214\L5021.D\	5/22/14 19:48	
Duplicate Lab Control Sample	RQ1405787-04	I:\ACQUDATA\MSVOA6\DATA\052214\L5022.D\	5/22/14 20:24	
Method Blank	RQ1405787-05	I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D\	5/22/14 22:11	
M-29DDL	R1403523-002	I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D\	5/22/14 22:47	
DUP-2	R1403523-026	I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D\	5/22/14 23:23	
COOLER BLANK	R1403523-013	I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D\	5/22/14 23:58	

BFB

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5019.D
Acq On : 22 May 2014 6:21 pm
Sample : TUNE CHECK RQ1405787-01
Misc : OLC 2.1
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS

Vial: 10
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

DL ~~06/2~~ 05/22/14



AutoFind: Scans 153, 154, 155; Background Corrected with Scan 147

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.1	4179	PASS
75	95	30	66	43.2	9448	PASS
95	95	100	100	100.0	21877	PASS
96	95	5	9	6.5	1412	PASS
173	174	0.00	2	0.3	46	PASS
174	95	50	120	83.7	18313	PASS
175	174	4	9	8.5	1548	PASS
176	174	93	101	96.2	17619	PASS
177	176	5	9	6.8	1203	PASS

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/21/14 13:44

Internal Standard Area and RT Summary
Low Level Water Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D\
Instrument ID: R-MS-06
Analytical Method: CLP-VOA OLC02.1

Lab Code: RQ1405678-02
Analysis Lot: 393569
Signal ID:

		Chlorobenzene-d5		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	306,763	9.08	137,711	11.18	380,781	5.70
	Upper Limit ==>	613,526	9.58	275,422	11.68	761,562	6.20
	Lower Limit ==>	153,382	8.58	68,856	10.68	190,391	5.20
	ICAL Result ==>	194,909	9.09	93,791	11.18	234,008	5.72
Associated Analyses							
Lab Control Sample	RQ1405678-03	316,787	9.08	149,428	11.18	392,005	5.71
Method Blank	RQ1405678-04	313,601	9.08	131,877	11.18	375,096	5.70
M-29D	R1403523-002	299,746	9.08	132,227	11.18	369,109	5.71
M-24DR	R1403523-003	311,284	9.08	136,568	11.18	380,427	5.70
M-26D	R1403523-017	311,659	9.08	139,554	11.18	377,253	5.70
DGC-4S	R1403523-005	312,574	9.08	135,846	11.18	384,311	5.71
DGC-3S	R1403523-004	315,282	9.09	135,120	11.18	374,232	5.70
SW-A	R1403523-006	315,017	9.09	135,560	11.18	379,097	5.70
SW-G	R1403523-007	315,896	9.08	136,759	11.18	382,288	5.70
SW-E	R1403523-008	312,692	9.09	141,581	11.18	386,672	5.70
SW-F	R1403523-009	320,017	9.08	141,405	11.18	393,028	5.71
SW-B	R1403523-010	311,935	9.08	135,887	11.18	386,726	5.71
SW-D	R1403523-011	318,370	9.09	144,427	11.18	386,848	5.71
M-25D	R1403523-001	317,141	9.08	147,984	11.18	378,324	5.71
M-26DMS	RQ1405678-05	324,584	9.08	153,002	11.18	394,525	5.71
M-26DDMS	RQ1405678-06	329,791	9.09	152,713	11.18	389,574	5.71

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/22/14 03:06

Internal Standard Area and RT Summary
Low Level Water Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D\
Instrument ID: R-MS-06
Analytical Method: CLP-VOA OLC02.1

Lab Code: RQ1405715-02
Analysis Lot: 393678
Signal ID:

		Chlorobenzene-d5		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	331,163	9.08	147,078	11.18	386,871	5.71
	Upper Limit ==>	662,326	9.58	294,156	11.68	773,742	6.21
	Lower Limit ==>	165,582	8.58	73,539	10.68	193,436	5.21
	ICAL Result ==>	194,909	9.09	93,791	11.18	234,008	5.72
Associated Analyses							
Lab Control Sample	RQ1405715-03	340,211	9.08	152,457	11.18	411,499	5.71
Method Blank	RQ1405715-04	333,946	9.08	145,848	11.18	401,994	5.71
TRIP BLANK 1	R1403523-012	330,276	9.08	148,767	11.18	394,772	5.70
10S	R1403523-014	324,134	9.08	143,914	11.18	395,810	5.71
M-28S	R1403523-015	330,630	9.08	141,694	11.18	394,144	5.71
11D	R1403523-016	327,279	9.08	144,436	11.18	392,535	5.71
M-26S	R1403523-018	307,535	9.08	123,883	11.18	382,125	5.70
MW-1	R1403523-019	320,088	9.08	146,035	11.18	388,309	5.70
MW-4	R1403523-020	317,656	9.08	138,313	11.18	386,203	5.71
13S	R1403523-021	308,727	9.08	136,550	11.18	385,618	5.70
13D	R1403523-022	325,329	9.09	146,411	11.18	391,608	5.71
M-27D	R1403523-023	319,012	9.08	143,785	11.18	377,096	5.71
TRIP BLANK 2	R1403523-024	316,745	9.08	142,790	11.18	388,758	5.71
DUP-1	R1403523-025	318,005	9.09	139,430	11.18	372,848	5.70
M-27DMS	RQ1405715-05	316,593	9.08	149,063	11.18	394,683	5.70
M-27DDMS	RQ1405715-06	335,305	9.08	150,287	11.18	387,078	5.70

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/22/14 18:59

Internal Standard Area and RT Summary
Low Level Water Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D\
Instrument ID: R-MS-06
Analytical Method: CLP-VOA OLC02.1

Lab Code: RQ1405787-02
Analysis Lot: 393854
Signal ID:

		Chlorobenzene-d5		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	312,370	9.08	141,660	11.18	345,277	5.71
	Upper Limit ==>	624,740	9.58	283,320	11.68	690,554	6.21
	Lower Limit ==>	156,185	8.58	70,830	10.68	172,639	5.21
	ICAL Result ==>	194,909	9.09	93,791	11.18	234,008	5.72
Associated Analyses							
Lab Control Sample	RQ1405787-03	287,349	9.08	134,486	11.18	358,393	5.71
Duplicate Lab Control Sample	RQ1405787-04	305,966	9.08	141,169	11.18	364,668	5.71
Method Blank	RQ1405787-05	317,878	9.08	143,278	11.18	374,016	5.71
M-29D	R1403523-002	301,994	9.08	136,253	11.18	358,333	5.71
DUP-2	R1403523-026	308,829	9.08	136,783	11.18	372,250	5.71
COOLER BLANK	R1403523-013	313,130	9.08	139,852	11.18	367,651	5.71

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Environmental

VOLATILE ORGANICS SAMPLE DATA

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0845
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 22:20
Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	2.5

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	2.5	U	2.5	0.25	
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	2.5	0.25	
79-00-5	1,1,2-Trichloroethane	2.5	U	2.5	0.28	
75-34-3	1,1-Dichloroethane (1,1-DCA)	2.5	U	2.5	0.25	
75-35-4	1,1-Dichloroethene (1,1-DCE)	2.5	U	2.5	0.25	
87-61-6	1,2,3-Trichlorobenzene	2.5	U	2.5	0.28	
120-82-1	1,2,4-Trichlorobenzene	2.5	U	2.5	0.30	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.5	U	2.5	0.60	
106-93-4	1,2-Dibromoethane	2.5	U	2.5	0.38	
107-06-2	1,2-Dichloroethane	2.5	U	2.5	0.25	
95-50-1	1,2-Dichlorobenzene	2.5	U	2.5	0.25	
78-87-5	1,2-Dichloropropane	2.5	U	2.5	0.25	
541-73-1	1,3-Dichlorobenzene	2.5	U	2.5	0.25	
106-46-7	1,4-Dichlorobenzene	2.5	U	2.5	0.25	
78-93-3	2-Butanone (MEK)	13	U	13	2.6	
591-78-6	2-Hexanone	13	U	13	5.3	
108-10-1	4-Methyl-2-pentanone	13	U	13	2.4	
67-64-1	Acetone	**3.7**	J	13	2.7	
71-43-2	Benzene	2.5	U	2.5	0.25	
74-97-5	Bromochloromethane	2.5	U	2.5	0.38	
75-27-4	Bromodichloromethane	2.5	U	2.5	0.25	
75-25-2	Bromoform	2.5	U	2.5	0.38	
74-83-9	Bromomethane	2.5	U	2.5	0.58	
75-15-0	Carbon Disulfide	2.5	U	2.5	0.36	
56-23-5	Carbon Tetrachloride	**23**		2.5	0.25	
108-90-7	Chlorobenzene	2.5	U	2.5	0.25	
75-00-3	Chloroethane	2.5	U	2.5	0.25	
67-66-3	Chloroform	**0.93**	J	2.5	0.25	
74-87-3	Chloromethane	2.5	U	2.5	0.30	
156-59-2	cis-1,2-Dichloroethene	2.5	U	2.5	0.25	
10061-01-5	cis-1,3-Dichloropropene	2.5	U	2.5	0.30	
124-48-1	Dibromochloromethane	2.5	U	2.5	0.25	
100-41-4	Ethylbenzene	2.5	U	2.5	0.25	
87-68-3	Hexachlorobutadiene	2.5	U	2.5	0.25	
179601-23-1	m,p-Xylenes	2.5	U	2.5	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0845
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 22:20
Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	2.5

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	2.5	U	2.5	0.25	
95-47-6	o-Xylene	2.5	U	2.5	0.25	
100-42-5	Styrene	2.5	U	2.5	0.25	
127-18-4	Tetrachloroethene (PCE)	2.5	U	2.5	0.25	
108-88-3	Toluene	2.5	U	2.5	0.25	
156-60-5	trans-1,2-Dichloroethene	2.5	U	2.5	0.25	
10061-02-6	trans-1,3-Dichloropropene	2.5	U	2.5	0.25	
79-01-6	Trichloroethene (TCE)	57		2.5	0.25	
75-69-4	Trichlorofluoromethane (CFC 11)	2.5	U	2.5	0.25	
75-01-4	Vinyl Chloride	2.5	U	2.5	0.25	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	5/21/14 22:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2220

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D Vial: 23
Acq On : 21 May 2014 10:20 pm Operator: D.Lipani
Sample : R1403523-001|2.5 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 22:38 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	378324	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	317141	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	147984	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	124574	5.18	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 103.60%				
Target Compounds							Qvalue
7) Acetone	1.77	43	2348	1.49	ug/L		86
16) Chloroform	3.53	83	15286	0.37	ug/L	#	95
21) Carbontetrachloride	5.08	117	332171	9.36	ug/L		98
24) Trichloroethene	6.16	95	638330	22.80	ug/L		96
~~25) Bromodichloromethane~~	6.16	~~83~~	~~8188~~	~~0.31~~	~~ug/L~~		~~93~~

PL
5/28/14

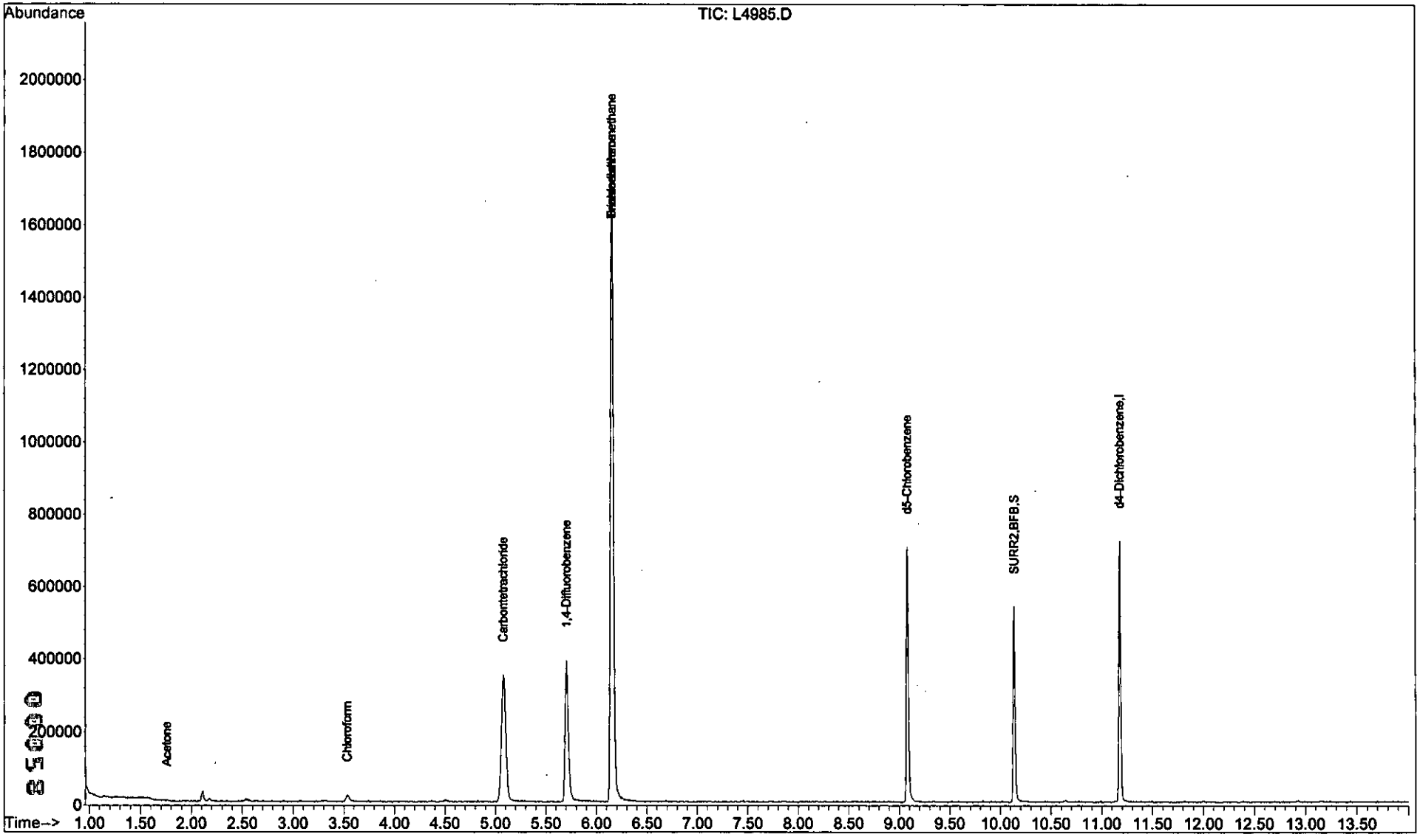
JW 05/29/14

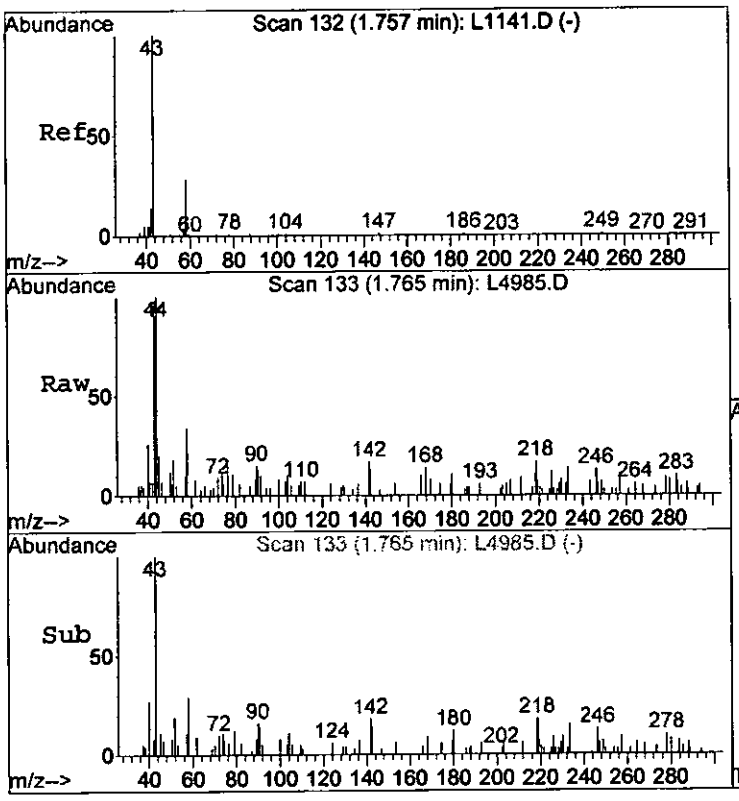
(#) = qualifier out of range (m) = manual integration
L4985.D OLC1026.M Wed May 21 22:38:20 2014 0005 Page 1

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D Vial: 23
Acq On : 21 May 2014 10:20 pm Operator: D.Lipani
Sample : R1403523-001|2.5 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 22:38 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

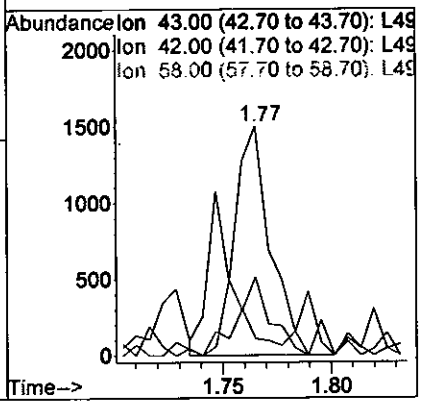


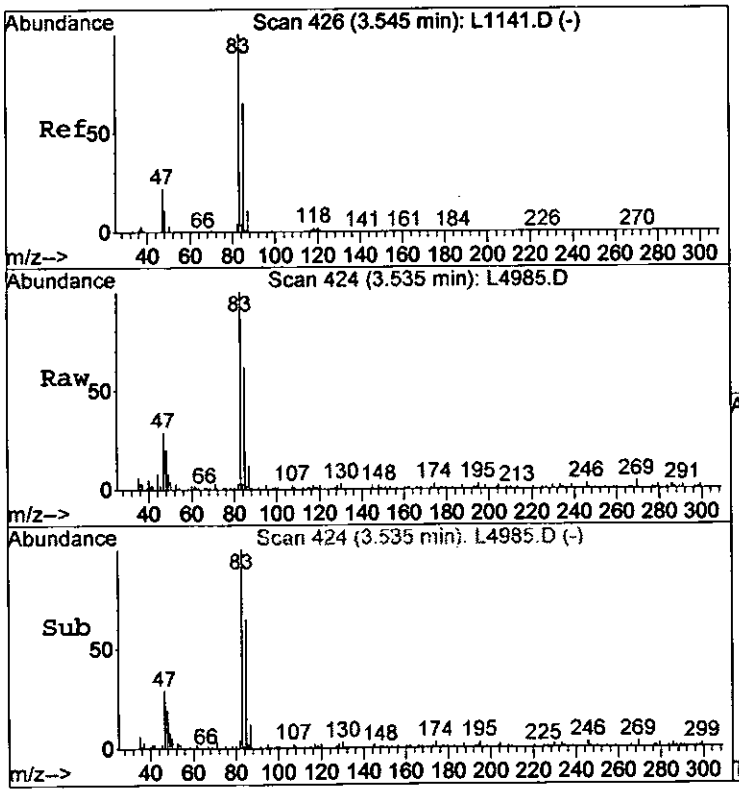


#7
Acetone
Concen: 1.49 ug/L
RT: 1.77 min Scan# 133
Delta R.T. 0.01 min
Lab File: L4985.D
Acq: 21 May 2014 10:20 pm

Tgt Ion: 43 Resp: 2348

Ion	Ratio	Lower	Upper
43	100		
42	7.4	0.0	44.7
58	34.3	0.0	57.9

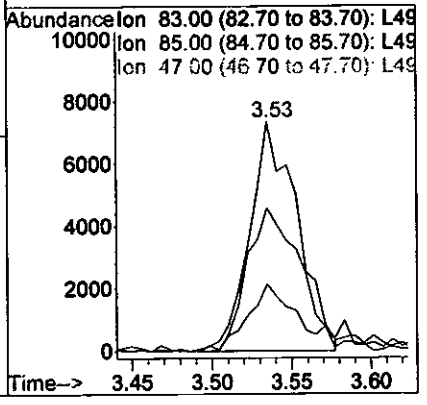


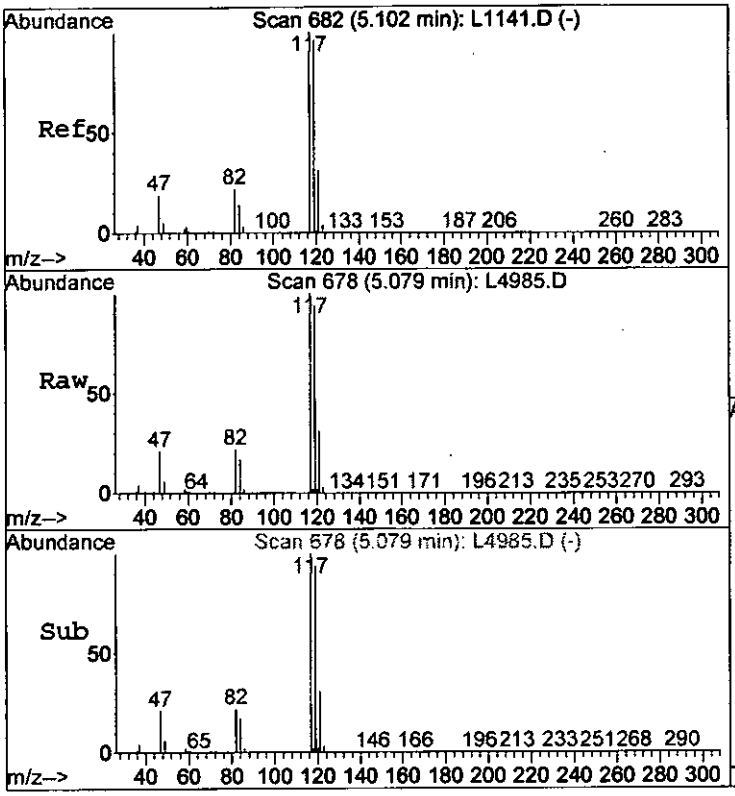


#16
Chloroform
Concen: 0.37 ug/L
RT: 3.53 min Scan# 424
Delta R.T. 0.00 min
Lab File: L4985.D
Acq: 21 May 2014 10:20 pm

Tgt Ion: 83 Resp: 15286

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.7	77.5
47	29.2	18.9	28.3#

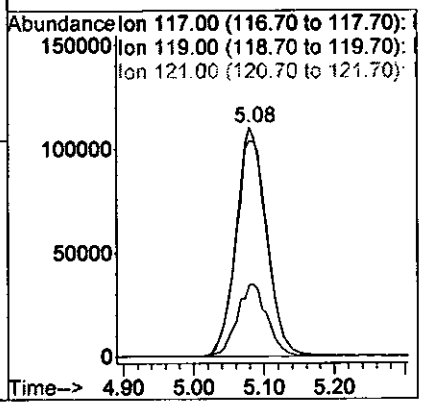


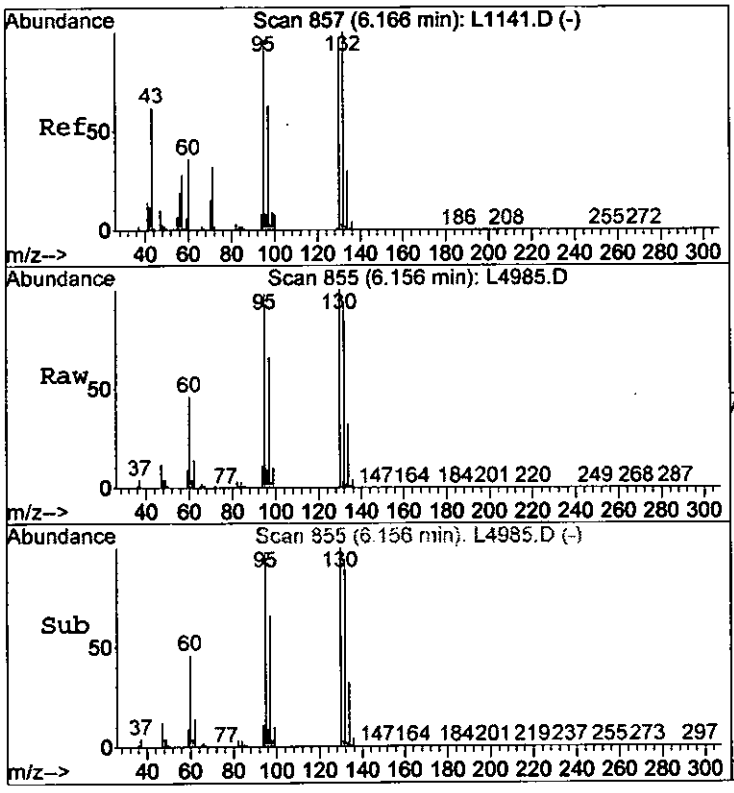


#21
Carbontetrachloride
Concen: 9.36 ug/L
RT: 5.08 min Scan# 678
Delta R.T. 0.00 min
Lab File: L4985.D
Acq: 21 May 2014 10:20 pm

Tgt Ion:117 Resp: 332171

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.8	115.2
121	31.2	24.4	36.6

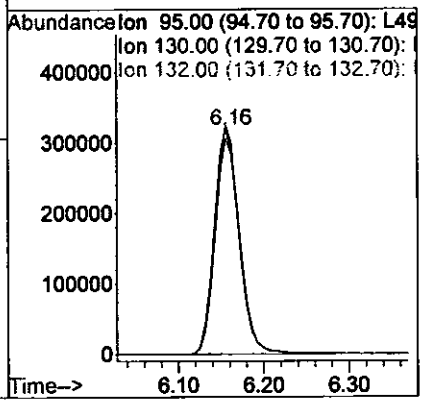




#24
Trichloroethene
Concen: 22.80 ug/L
RT: 6.16 min Scan# 855
Delta R.T. 0.00 min
Lab File: L4985.D
Acq: 21 May 2014 10:20 pm

Tgt Ion: 95 Resp: 638330

Ion	Ratio	Lower	Upper
95	100		
130	101.8	82.9	124.3
132	96.3	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D Vial: 23
Acq On : 21 May 2014 10:20 pm Operator: D.Lipani
Sample : R1403523-001|2.5 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

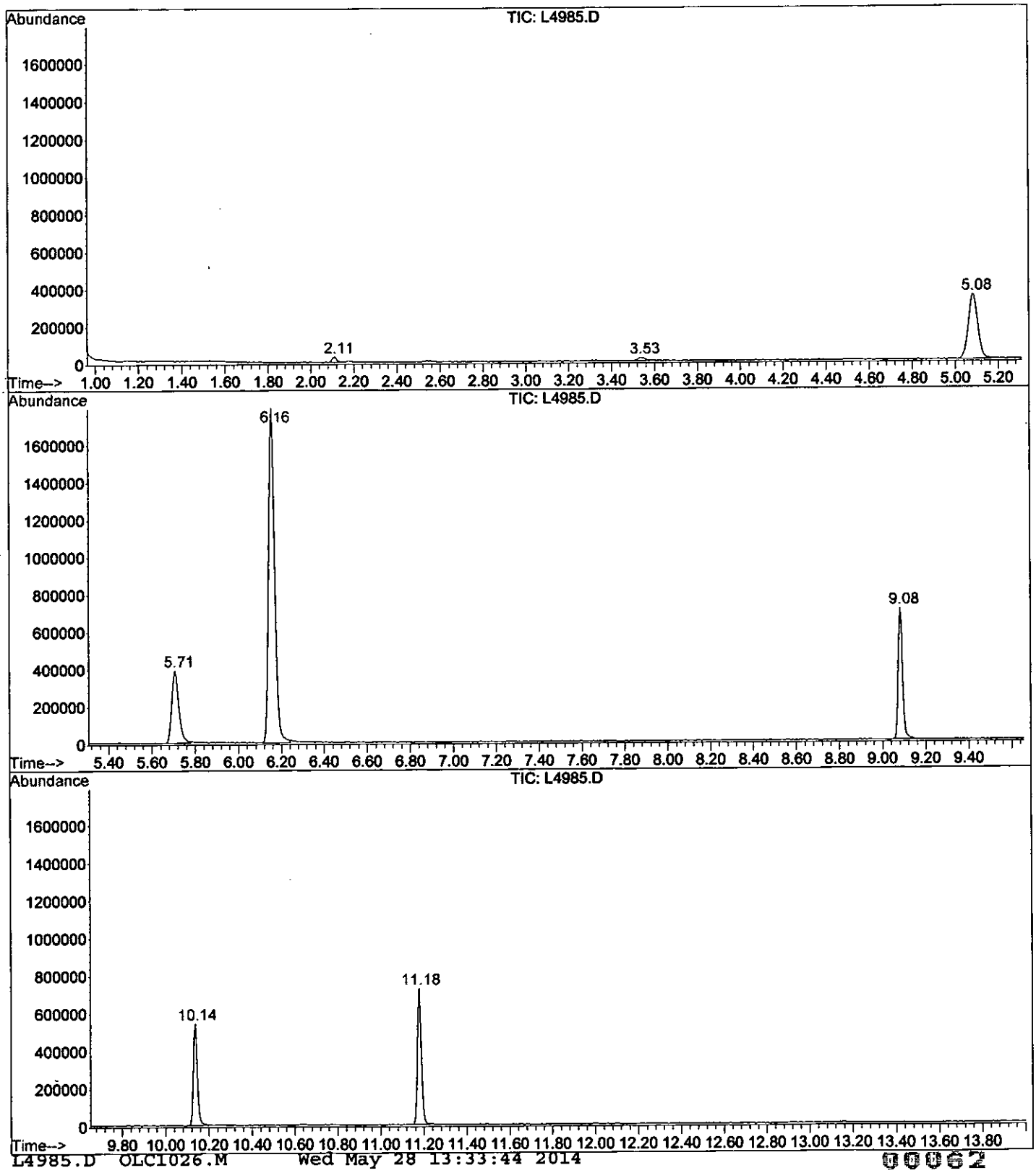
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.112	185	190	197	rBV2	28569	42319	1.19%	0.522%
2	3.535	418	424	431	rBV2	18027	39979	1.12%	0.493%
3	5.079	667	678	692	rBV	347211	1062544	29.88%	13.094%
4	5.706	774	781	793	rBV	385997	865341	24.34%	10.664%
5	6.156	847	855	869	rBV	1788420	3555576	100.00%	43.816%
6	9.081	1331	1336	1348	rBV	702576	970505	27.30%	11.960%
7	10.139	1505	1510	1520	rBV	536676	695974	19.57%	8.577%
8	11.179	1676	1681	1689	rBV	717649	882508	24.82%	10.875%

Sum of corrected areas: 8114746

L4985.D OLC1026.M Wed May 28 13:33:40 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D
Operator : D.Lipani
Acquired : 21 May 2014 10:20 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-001|2.5
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 23
Quant File :OLC1026.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 10:20 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D
Name: R1403523-001|2.5
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4985.D OLC1026.M Wed May 28 13:33:44 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0930
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 16:02
Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**3.8**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**0.21**	J	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	**0.15**	J	1.0	0.14	
56-23-5	Carbon Tetrachloride	**20**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.55**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0930
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 16:02
Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**25**	E	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 16:02	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1602

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D Vial: 12
Acq On : 21 May 2014 4:02 pm Operator: D.Lipani
Sample : R1403523-002|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 16:20 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	369109	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	299746	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	132227	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	116755	4.98	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.60%				
Target Compounds							Qvalue
~~7) Acetone~~	~~1.77~~	~~43~~	~~791~~	~~0.52~~	~~ug/L~~		~~53~~
8) 1,1-Diclethene	1.97	96	4030	0.21	ug/L		83
10) Carbon Disulfide	2.17	76	10759	0.15	ug/L	#	89
16) Chloroform	3.54	83	22015	0.55	ug/L		91
20) 1,1,1-Trichloroethane	4.50	97	148928	3.84	ug/L		97
21) Carbontetrachloride	5.08	117	658565	19.63	ug/L		93
24) Trichloroethene	6.15	95	666221	25.18	ug/L		97 E
~~46) 1,2-Dibromo-3-chloropropan~~	~~11.84~~	~~75~~	~~223~~	~~0.18~~	~~ug/L~~	~~#~~	~~23~~

DL 5/28/14

DW 05/29/14

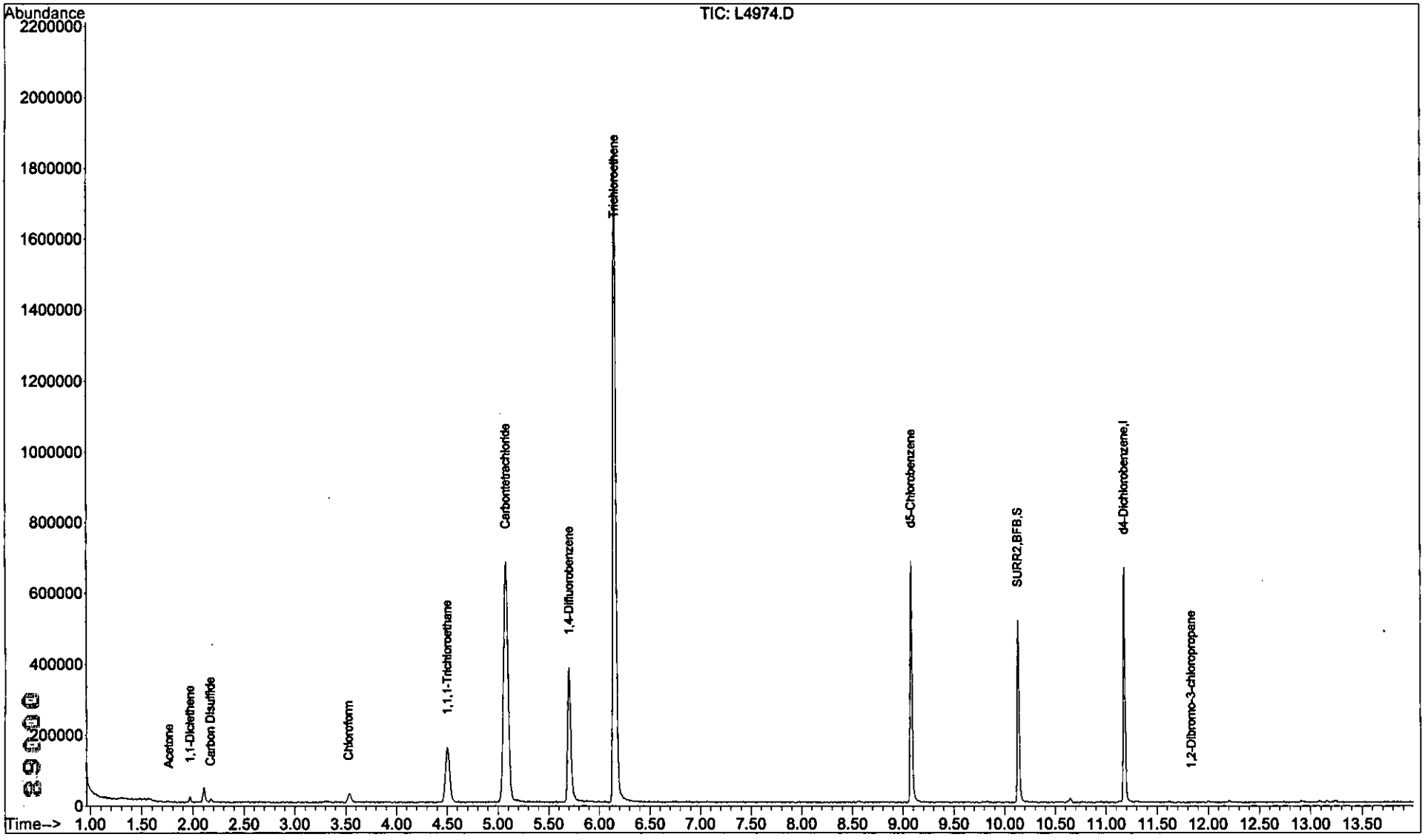
rpt 1/2

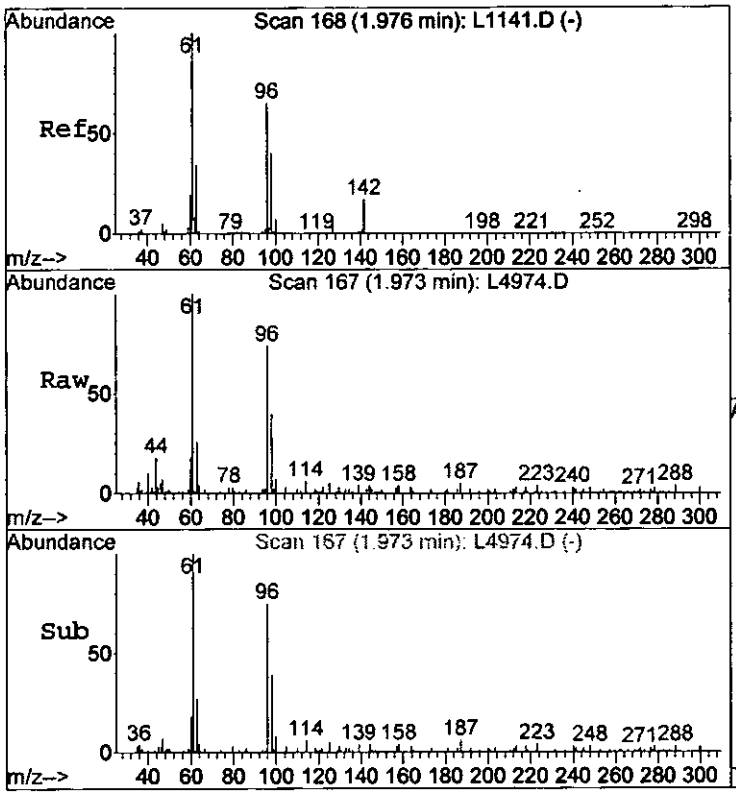
(#) = qualifier out of range (m) = manual integration
L4974.D OLC1026.M Wed May 21 16:20:23 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D Vial: 12
Acq On : 21 May 2014 4:02 pm Operator: D.Lipani
Sample : R1403523-002|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 16:20 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

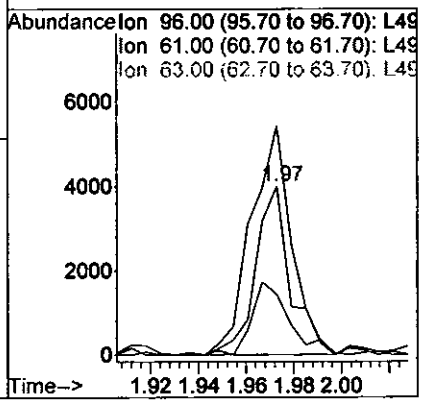


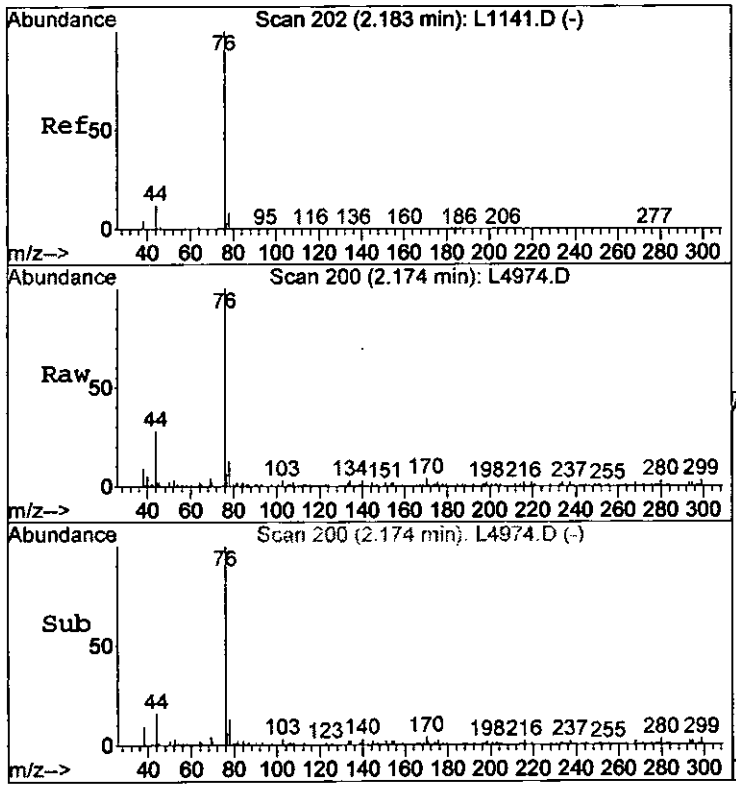


#8
1,1-Diclethene
Concen: 0.21 ug/L
RT: 1.97 min Scan# 167
Delta R.T. 0.00 min
Lab File: L4974.D
Acq: 21 May 2014 4:02 pm

Tgt Ion: 96 Resp: 4030

Ion	Ratio	Lower	Upper
96	100		
61	135.7	124.6	184.6
63	35.6	22.2	82.2

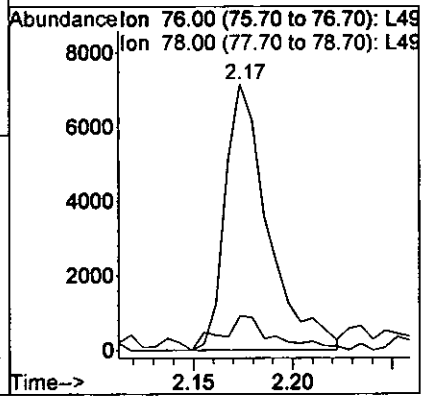


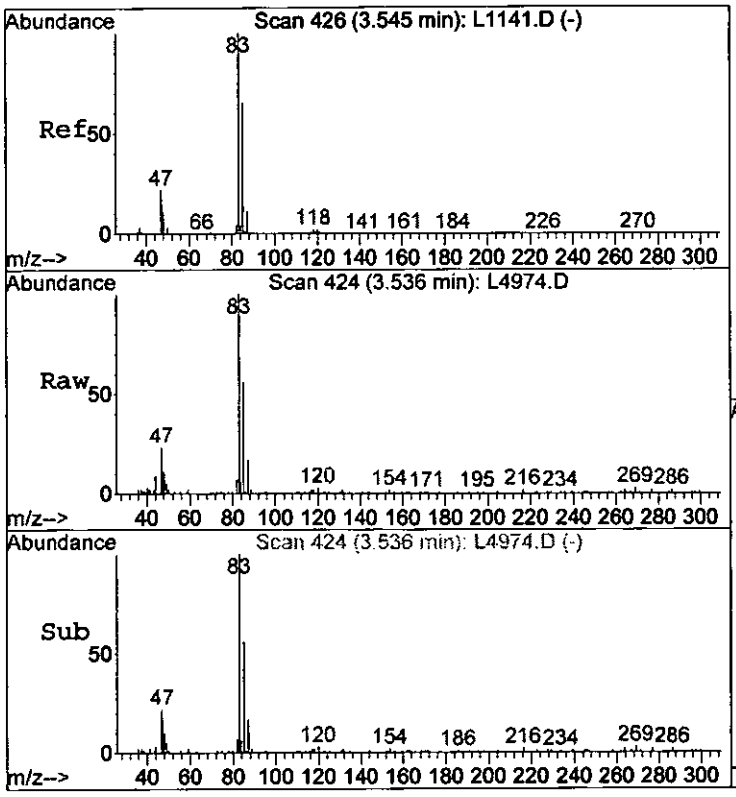


#10
Carbon Disulfide
Concen: 0.15 ug/L
RT: 2.17 min Scan# 200
Delta R.T. -0.00 min
Lab File: L4974.D
Acq: 21 May 2014 4:02 pm

Tgt Ion: 76 Resp: 10759

Ion	Ratio	Lower	Upper
76	100		
78	12.9	7.0	10.6#

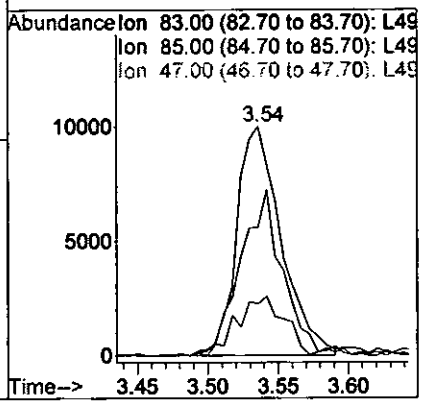


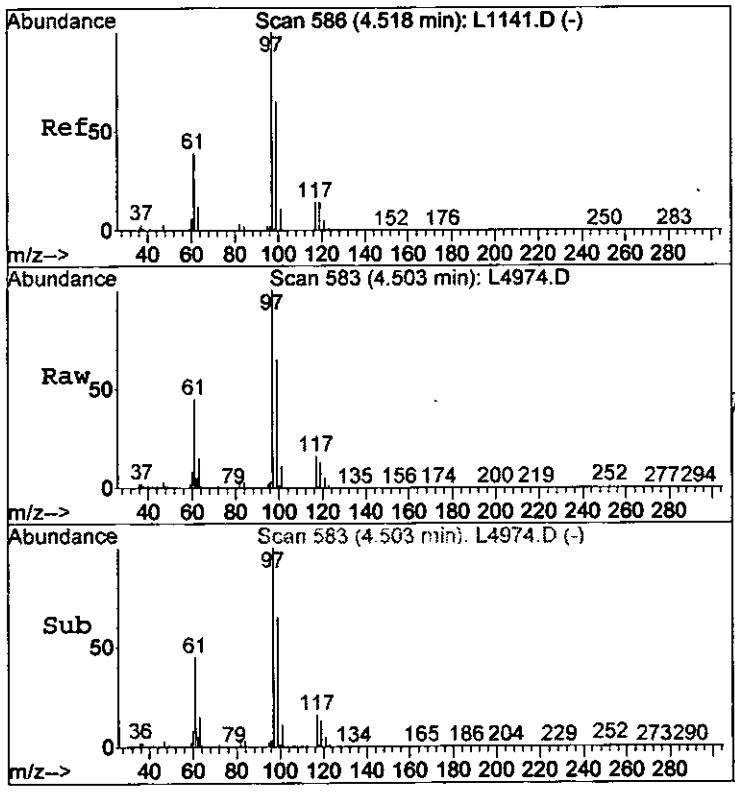


#16
Chloroform
Concen: 0.55 ug/L
RT: 3.54 min Scan# 424
Delta R.T. 0.00 min
Lab File: L4974.D
Acq: 21 May 2014 4:02 pm

Tgt Ion: 83 Resp: 22015

Ion	Ratio	Lower	Upper
83	100		
85	56.0	51.7	77.5
47	22.6	18.9	28.3

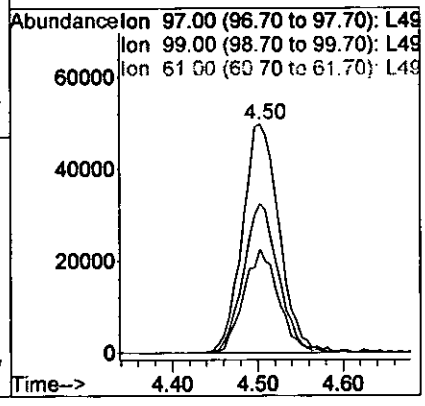


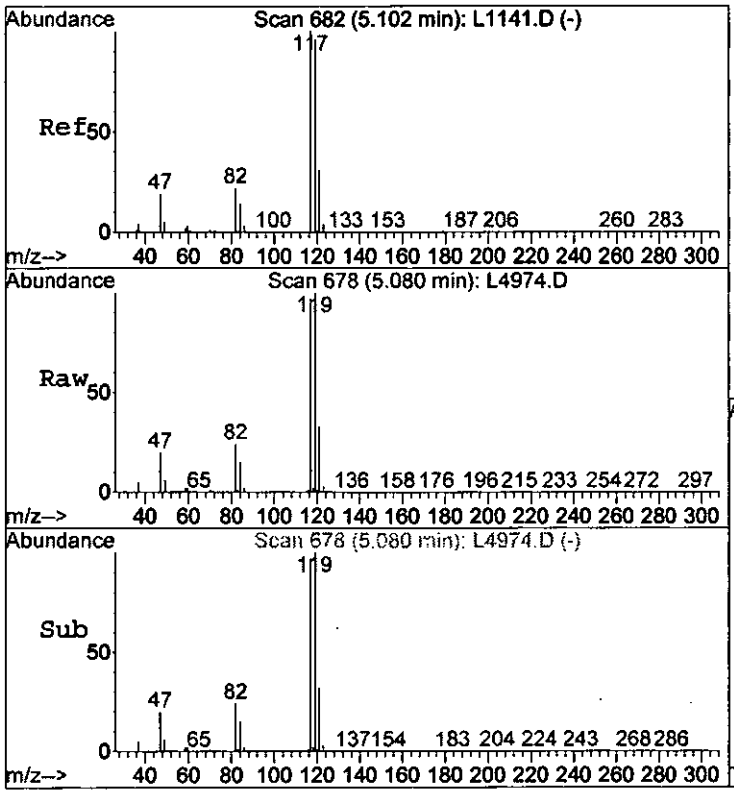


#20
1,1,1-Trichloroethane
Concen: 3.84 ug/L
RT: 4.50 min Scan# 583
Delta R.T. -0.00 min
Lab File: L4974.D
Acq: 21 May 2014 4:02 pm

Tgt Ion: 97 Resp: 148928

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.9	77.9
61	45.3	33.0	49.6

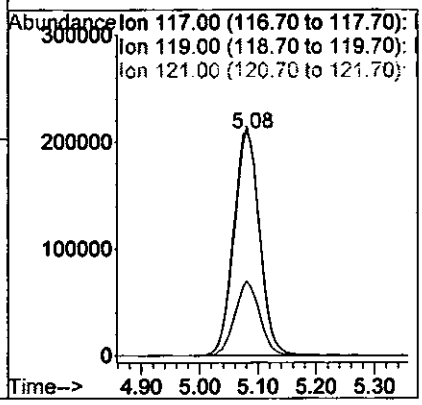


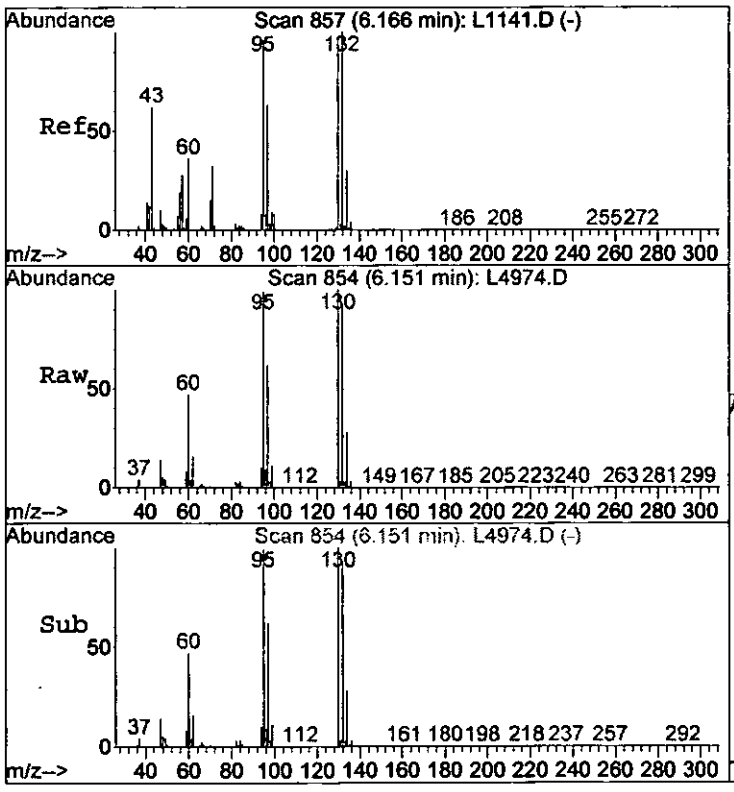


#21
Carbontetrachloride
Concen: 19.63 ug/L
RT: 5.08 min Scan# 678
Delta R.T. 0.00 min
Lab File: L4974.D
Acq: 21 May 2014 4:02 pm

Tgt Ion:117 Resp: 658565

Ion	Ratio	Lower	Upper
117	100		
119	102.9	76.8	115.2
121	33.5	24.4	36.6

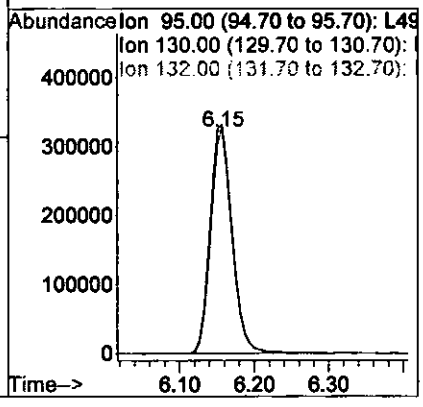




#24
Trichloroethene
Concen: 25.18 ug/L
RT: 6.15 min Scan# 854
Delta R.T. -0.00 min
Lab File: L4974.D
Acq: 21 May 2014 4:02 pm

Tgt Ion: 95 Resp: 666221

Ion	Ratio	Lower	Upper
95	100		
130	101.5	82.9	124.3
132	98.0	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D Vial: 12
Acq On : 21 May 2014 4:02 pm Operator: D.Lipani
Sample : R1403523-002|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

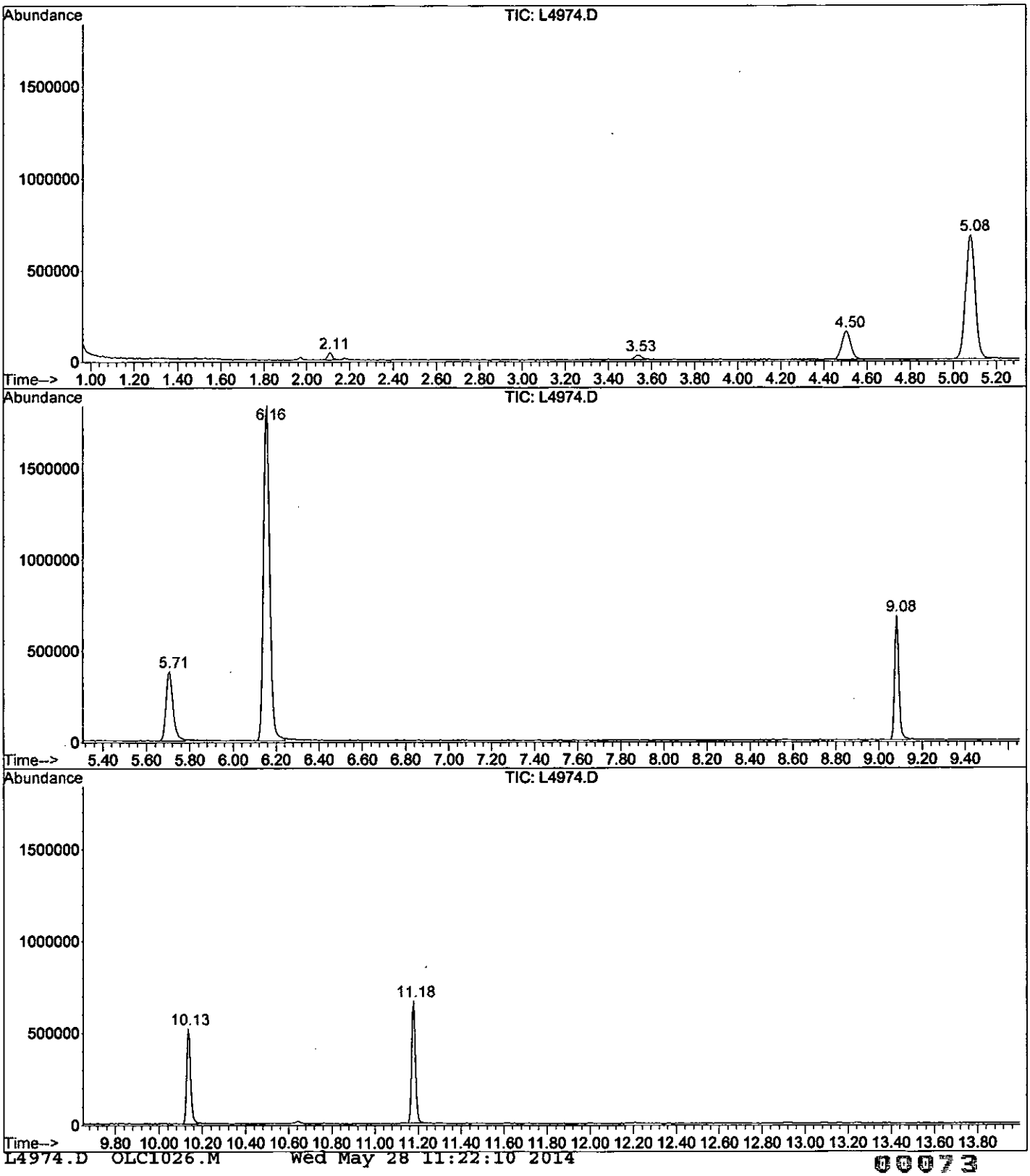
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.107	185	189	196	rVB	41120	63207	1.70%	0.654%
2	3.530	418	423	430	rBV2	25355	57116	1.54%	0.591%
3	4.503	573	583	598	rVB2	155302	453818	12.22%	4.698%
4	5.080	664	678	694	rBV	678655	2106334	56.72%	21.807%
5	5.707	772	781	793	rBV	380648	852769	22.96%	8.829%
6	6.157	846	855	869	rBV	1832362	3713874	100.00%	38.449%
7	9.082	1331	1336	1346	rBV	682166	929107	25.02%	9.619%
8	10.134	1505	1509	1517	rBV	514917	662301	17.83%	6.857%
9	11.180	1676	1681	1692	rVB	661539	820662	22.10%	8.496%

Sum of corrected areas: 9659188

L4974.D OLC1026.M Wed May 28 11:22:06 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D
Operator : D.Lipani
Acquired : 21 May 2014 4:02 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-002|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 12
Quant File :OLC1026.RES (RTE Integrator)



L4974.D OLC1026.M Wed May 28 11:22:10 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 4:02 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D
Name: R1403523-002|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4974.D OLC1026.M Wed May 28 11:22:10 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0930
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 22:47
Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA
Run Type:	Dilution		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**3.5**	D	2.0	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.20	
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.22	
75-34-3	1,1-Dichloroethane (1,1-DCA)	2.0	U	2.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	2.0	U	2.0	0.20	
87-61-6	1,2,3-Trichlorobenzene	2.0	U	2.0	0.22	
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.24	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	0.48	
106-93-4	1,2-Dibromoethane	2.0	U	2.0	0.30	
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.20	
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	0.20	
78-87-5	1,2-Dichloropropane	2.0	U	2.0	0.20	
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	0.20	
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	0.20	
78-93-3	2-Butanone (MEK)	10	U	10	2.1	
591-78-6	2-Hexanone	10	U	10	4.2	
108-10-1	4-Methyl-2-pentanone	10	U	10	1.9	
67-64-1	Acetone	**2.4**	DJ	10	2.2	
71-43-2	Benzene	2.0	U	2.0	0.20	
74-97-5	Bromochloromethane	2.0	U	2.0	0.30	
75-27-4	Bromodichloromethane	2.0	U	2.0	0.20	
75-25-2	Bromoform	2.0	U	2.0	0.30	
74-83-9	Bromomethane	2.0	U	2.0	0.46	
75-15-0	Carbon Disulfide	2.0	U	2.0	0.28	
56-23-5	Carbon Tetrachloride	**17**	D	2.0	0.20	
108-90-7	Chlorobenzene	2.0	U	2.0	0.20	
75-00-3	Chloroethane	2.0	U	2.0	0.20	
67-66-3	Chloroform	**0.48**	J	2.0	0.20	
74-87-3	Chloromethane	2.0	U	2.0	0.24	
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.24	
124-48-1	Dibromochloromethane	2.0	U	2.0	0.20	
100-41-4	Ethylbenzene	2.0	U	2.0	0.20	
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.20	
179601-23-1	m,p-Xylenes	2.0	U	2.0	0.24	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0930
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 22:47
Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA
Run Type:	Dilution		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	2.0	U	2.0	0.20	
95-47-6	o-Xylene	2.0	U	2.0	0.20	
100-42-5	Styrene	2.0	U	2.0	0.20	
127-18-4	Tetrachloroethene (PCE)	2.0	U	2.0	0.20	
108-88-3	Toluene	2.0	U	2.0	0.20	
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.20	
79-01-6	Trichloroethene (TCE)	**23**	D	2.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	2.0	U	2.0	0.20	
75-01-4	Vinyl Chloride	2.0	U	2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 22:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 2247

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-29DDL	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA
Run Type:	Dilution		
Analytical Method:	CLP-VOA OLC02.1		

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D Vial: 17
Acq On : 22 May 2014 10:47 pm Operator: D.Lipani
Sample : R1403523-002|2.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 23:05 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	358333	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	301994	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	136253	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	118077	4.63	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 92.60%			
Target Compounds						Qvalue
7) Acetone	1.76	43	2123	1.19	ug/L	91
16) Chloroform	3.53	83	10434	0.24	ug/L	96
20) 1,1,1-Trichloroethane	4.50	97	65276	1.76	ug/L	94
21) Carbontetrachloride	5.08	117	283037	8.53	ug/L	97
24) Trichloroethene	6.16	95	306912	11.71	ug/L	96

AA
" DL "

DL
05/28/14

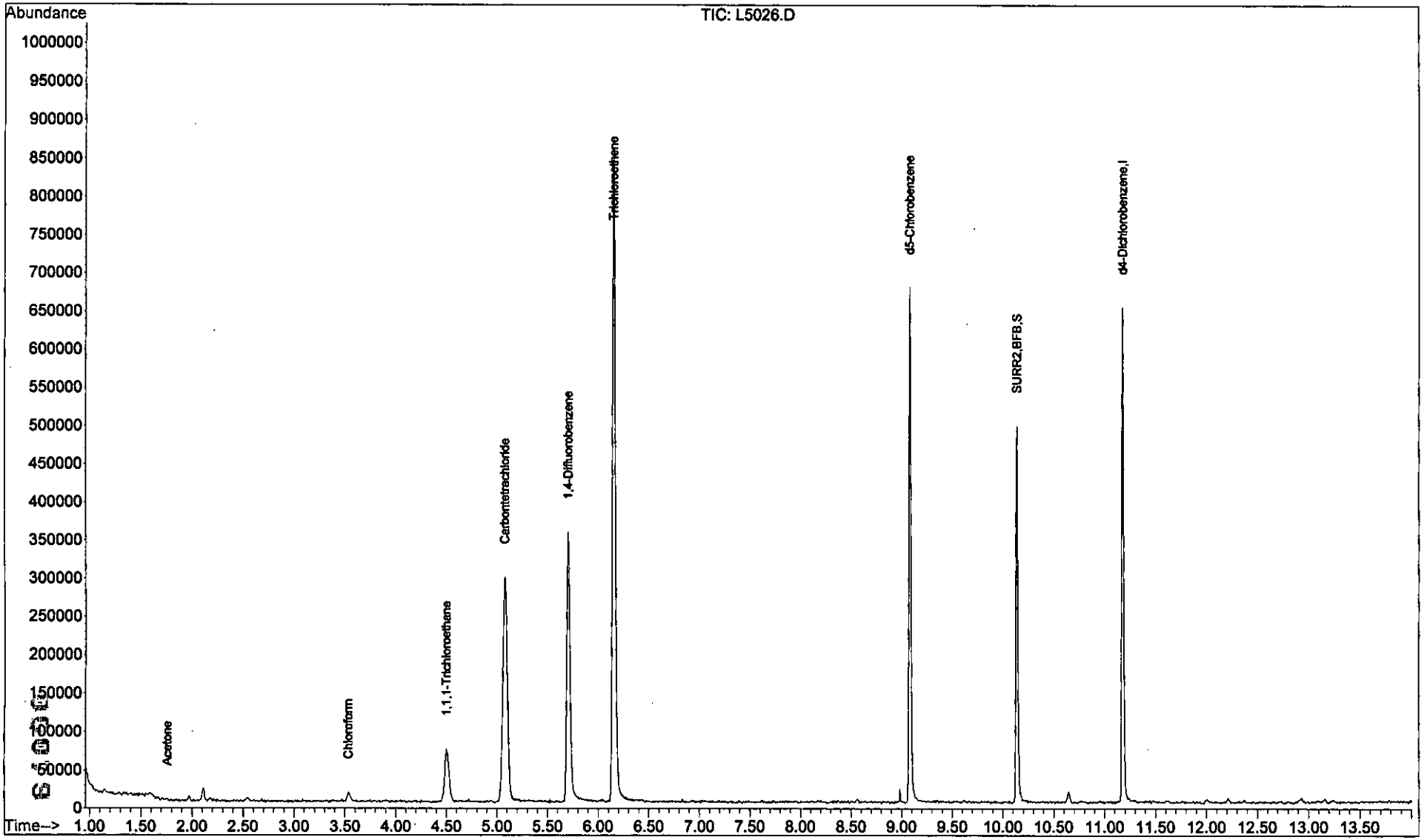
(#) = qualifier out of range (m) = manual integration
L5026.D OLC1026.M Thu May 22 23:05:46 2014

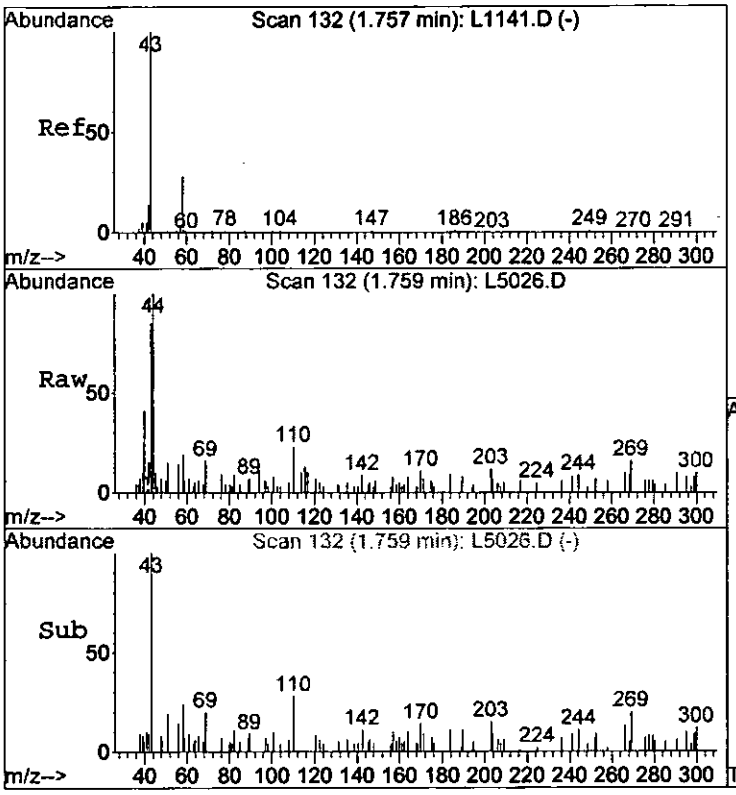
00078

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D Vial: 17
Acq On : 22 May 2014 10:47 pm Operator: D.Lipani
Sample : R1403523-002|2.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 23:05 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D

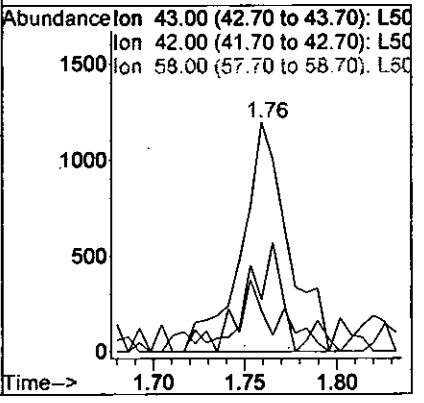


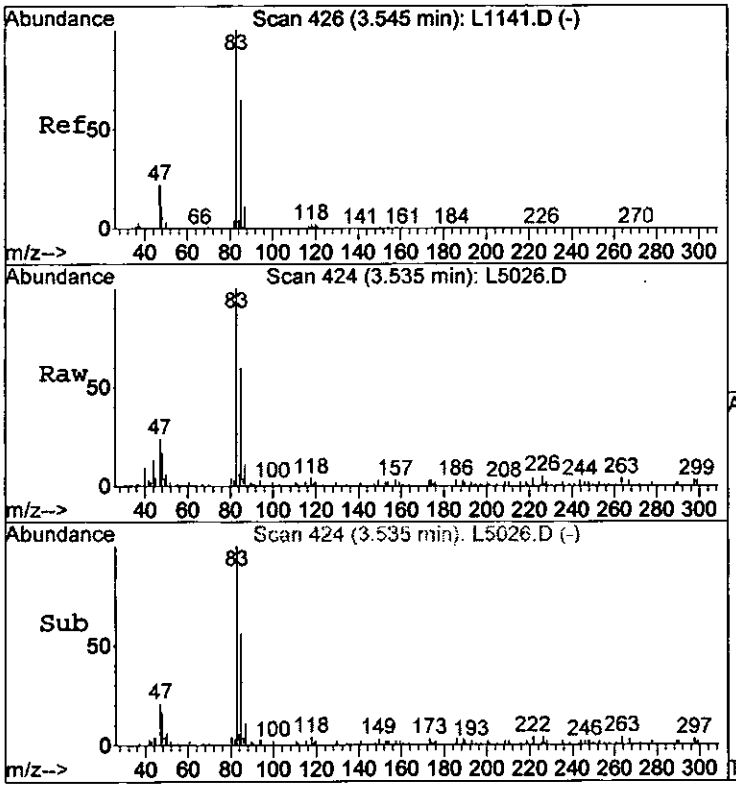


#7
Acetone
Concen: 1.19 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.01 min
Lab File: L5026.D
Acq: 22 May 2014 10:47 pm

Tgt Ion: 43 Resp: 2123

Ion	Ratio	Lower	Upper
43	100		
42	17.7	0.0	44.7
58	22.7	0.0	57.9

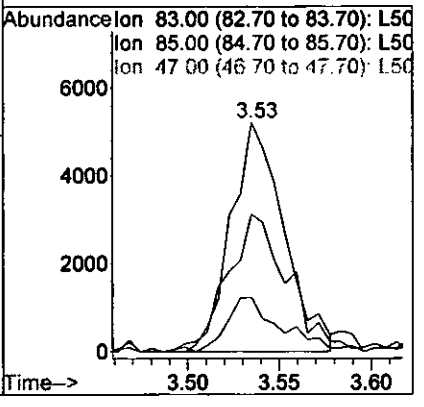


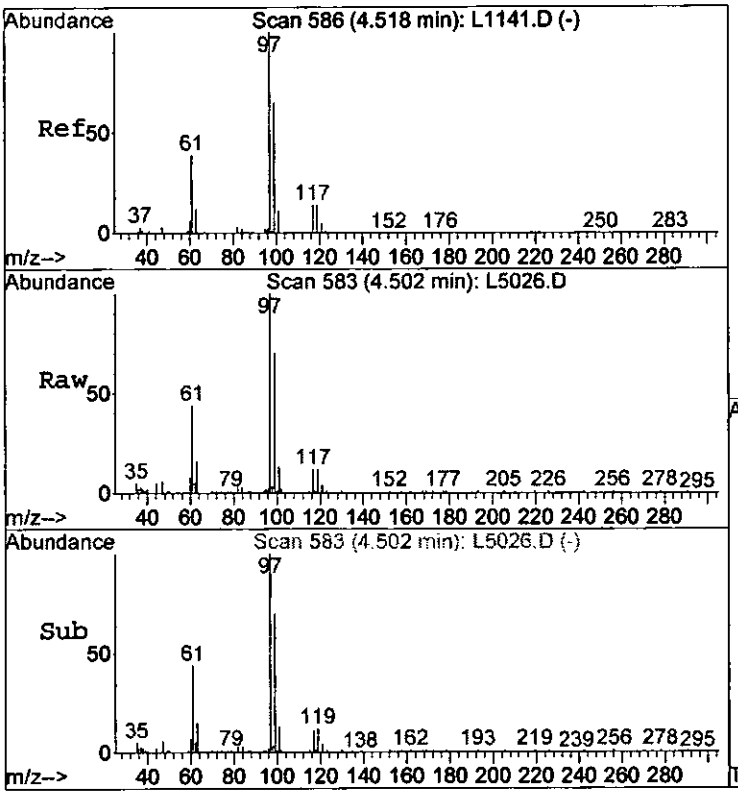


#16
Chloroform
Concen: 0.24 ug/L
RT: 3.53 min Scan# 424
Delta R.T. 0.00 min
Lab File: L5026.D
Acq: 22 May 2014 10:47 pm

Tgt Ion: 83 Resp: 10434

Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.7	77.5
47	23.7	18.9	28.3

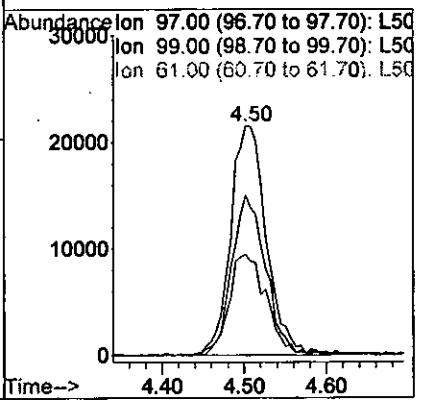


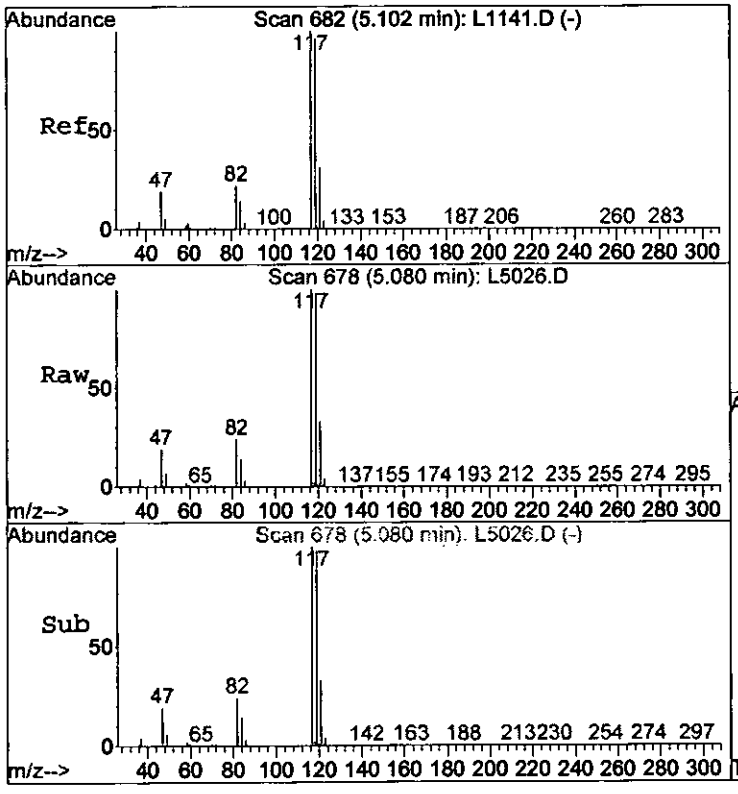


#20
1,1,1-Trichloroethane
Concen: 1.76 ug/L
RT: 4.50 min Scan# 583
Delta R.T. 0.00 min
Lab File: L5026.D
Acq: 22 May 2014 10:47 pm

Tgt Ion: 97 Resp: 65276

Ion	Ratio	Lower	Upper
97	100		
99	69.9	51.9	77.9
61	44.1	33.0	49.6

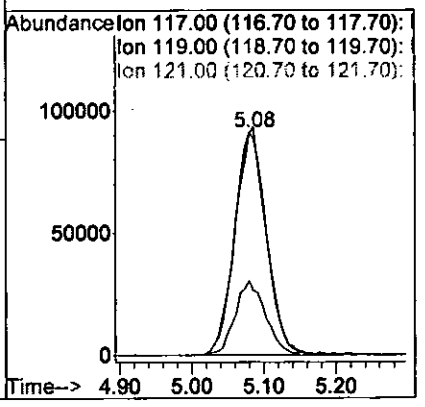


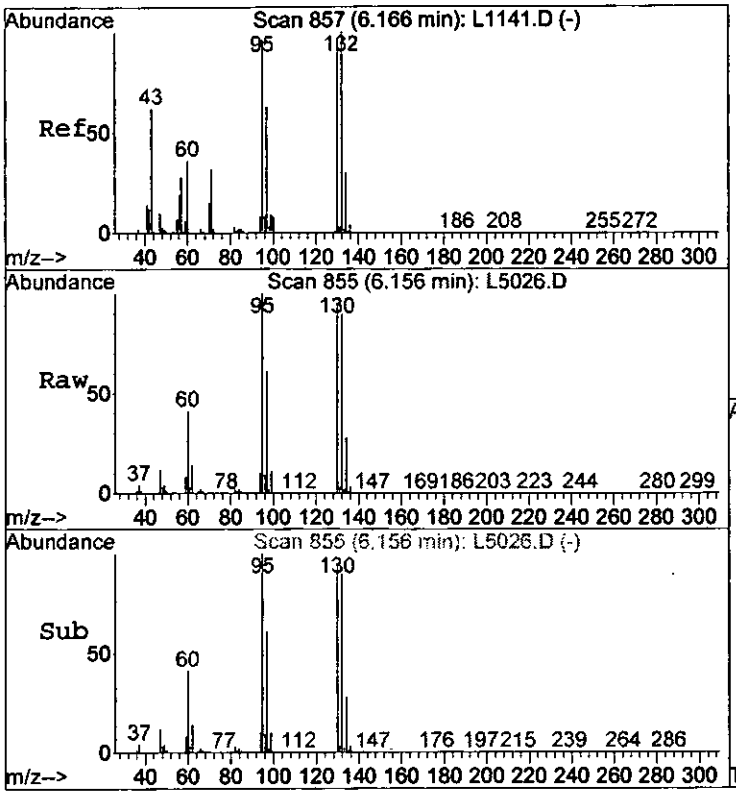


#21
Carbontetrachloride
Concen: 8.53 ug/L
RT: 5.08 min Scan# 678
Delta R.T. -0.00 min
Lab File: L5026.D
Acq: 22 May 2014 10:47 pm

Tgt Ion:117 Resp: 283037

Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.8	115.2
121	33.2	24.4	36.6

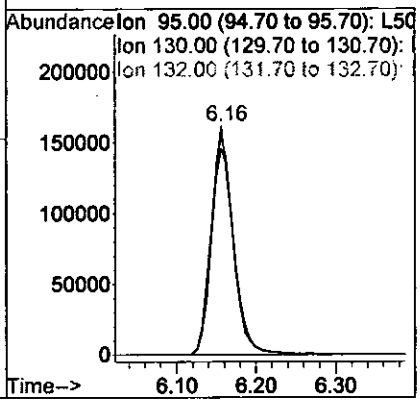




#24
Trichloroethene
Concen: 11.71 ug/L
RT: 6.16 min Scan# 855
Delta R.T. -0.00 min
Lab File: L5026.D
Acq: 22 May 2014 10:47 pm

Tgt Ion: 95 Resp: 306912

Ion	Ratio	Lower	Upper
95	100		
130	101.9	82.9	124.3
132	96.5	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D Vial: 17
Acq On : 22 May 2014 10:47 pm Operator: D.Lipani
Sample : R1403523-002|2.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

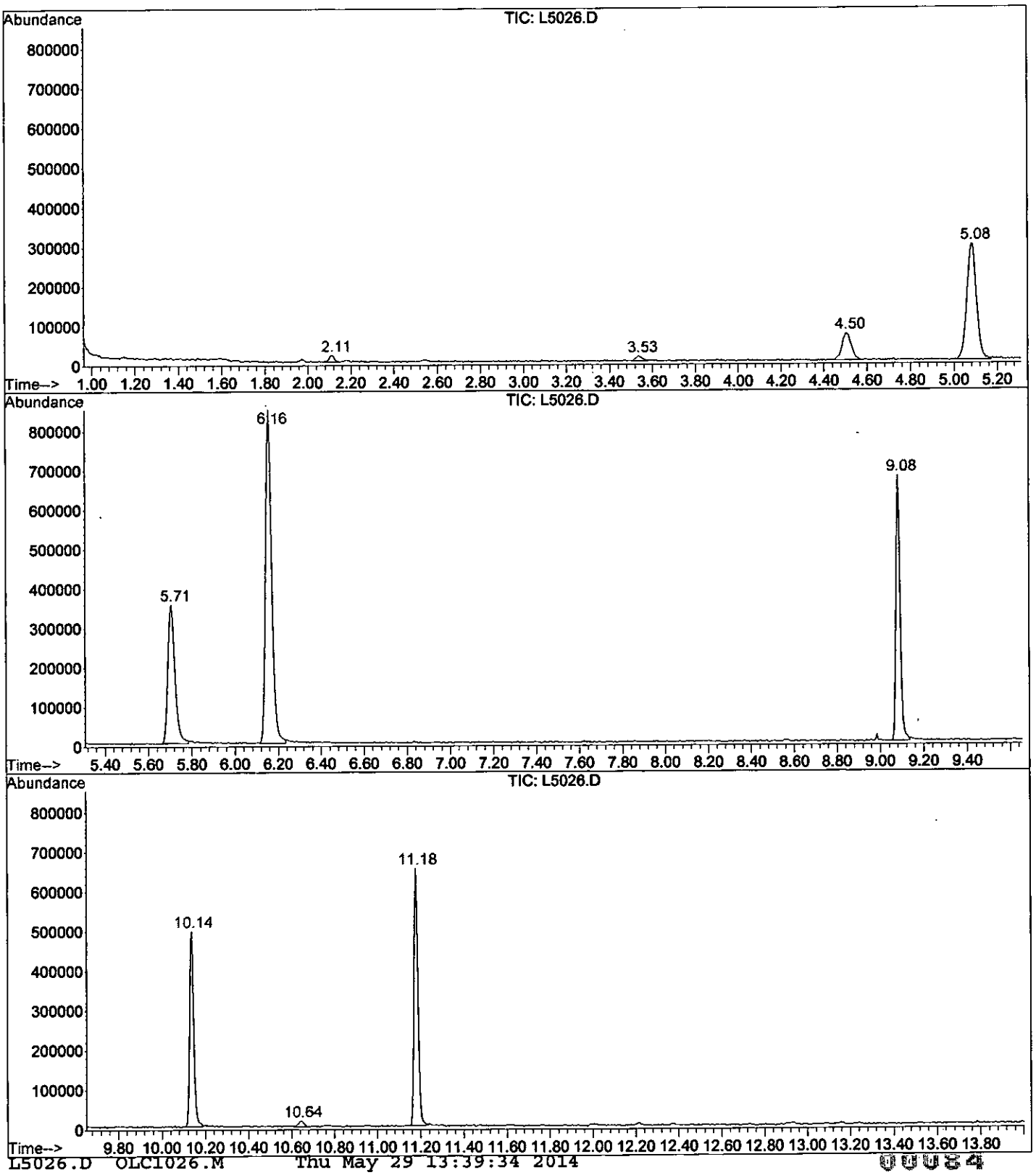
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.112	183	190	196	rVB5	17559	33089	1.98%	0.549%
2	3.535	419	424	431	rBV3	13024	27157	1.63%	0.450%
3	4.502	574	583	596	rVB2	69925	209549	12.56%	3.474%
4	5.080	667	678	693	rBV	294089	913942	54.77%	15.153%
5	5.706	774	781	794	rBV	351963	797225	47.78%	13.218%
6	6.156	848	855	868	rBV	846230	1668696	100.00%	27.666%
7	9.081	1331	1336	1345	rBV	673634	893415	53.54%	14.812%
8	10.139	1505	1510	1518	rBV	491768	649226	38.91%	10.764%
9	10.644	1587	1593	1600	rVB2	15258	28540	1.71%	0.473%
10	11.179	1676	1681	1690	rBV	646328	810744	48.59%	13.442%

Sum of corrected areas: 6031583

L5026.D OLC1026.M Thu May 29 13:39:30 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D
Operator : D.Lipani
Acquired : 22 May 2014 10:47 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-002|2.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 17
Quant File :OLC1026.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 10:47 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052214\L5026.D
Name: R1403523-002|2.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5026.D OLC1026.M Thu May 29 13:39:34 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1020
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 16:34
Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.5**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**0.51**	J	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1020
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 16:34
Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.7		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 16:34	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1634

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D Vial: 13
Acq On : 21 May 2014 4:34 pm Operator: D.Lipani
Sample : R1403523-003|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 16:52 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	380427	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	311284	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	136568	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	121657	5.03	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.60%			
Target Compounds						Qvalue
7) Acetone	1.76	43	2365	1.50	ug/L	71
21) Carbontetrachloride	5.08	117	17653	0.51	ug/L	89
24) Trichloroethene	6.16	95	46739	1.70	ug/L	93

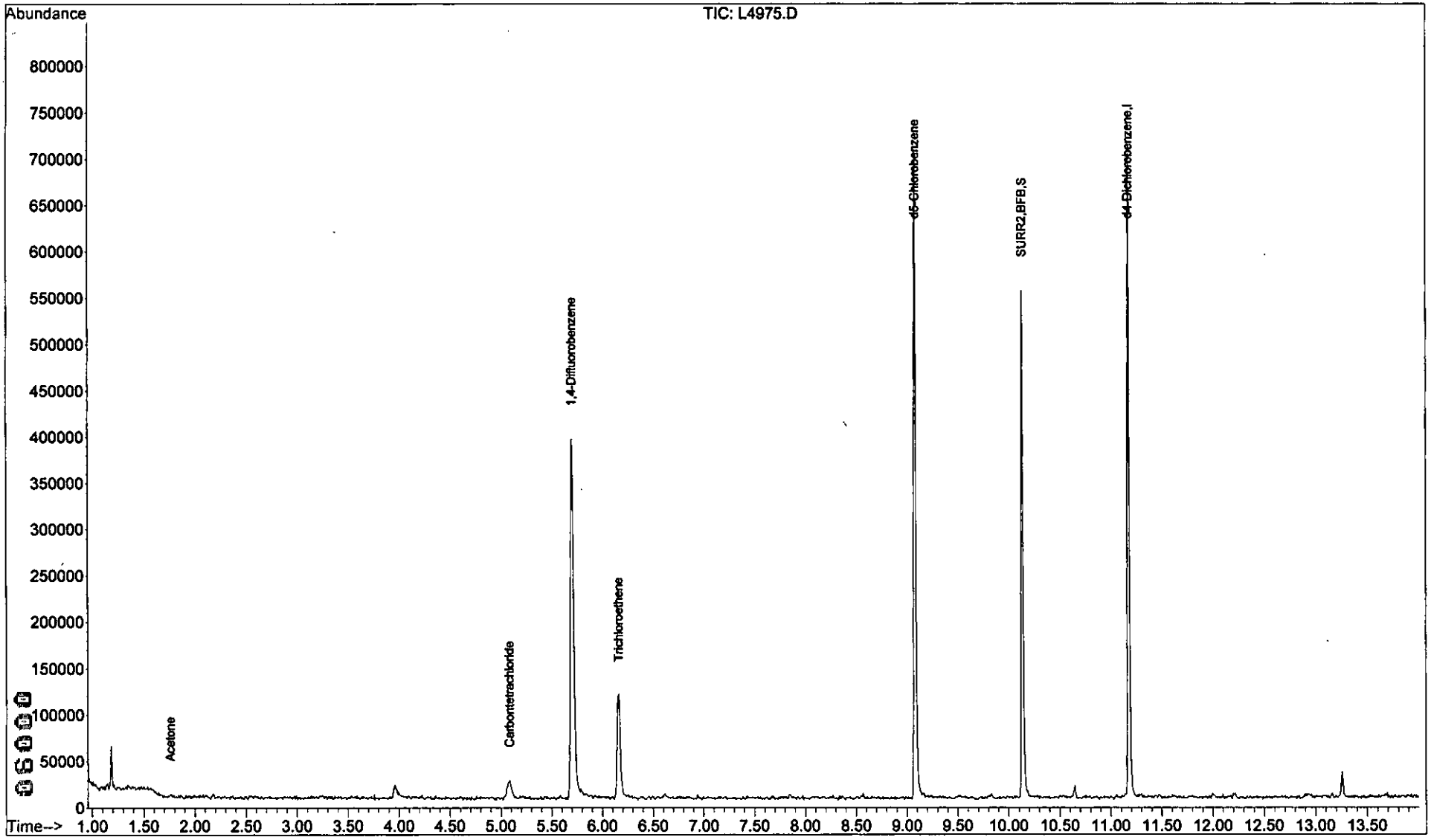
PD
5/28/14

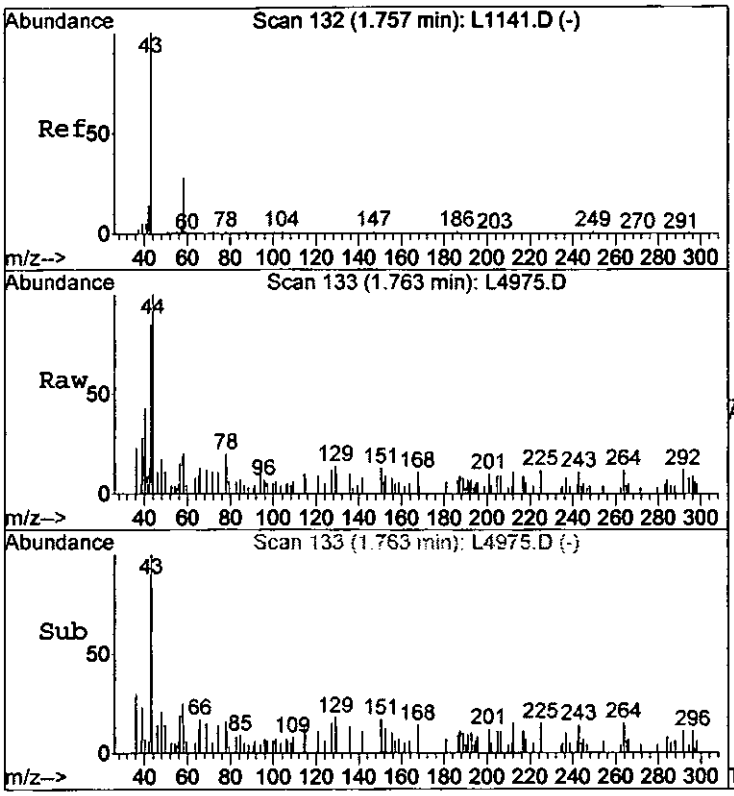
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D Vial: 13
Acq On : 21 May 2014 4:34 pm Operator: D.Lipani
Sample : R1403523-003|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 16:52 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

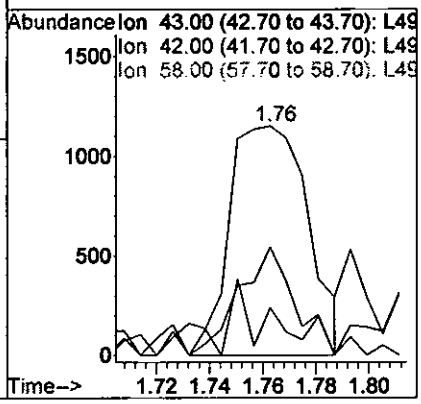


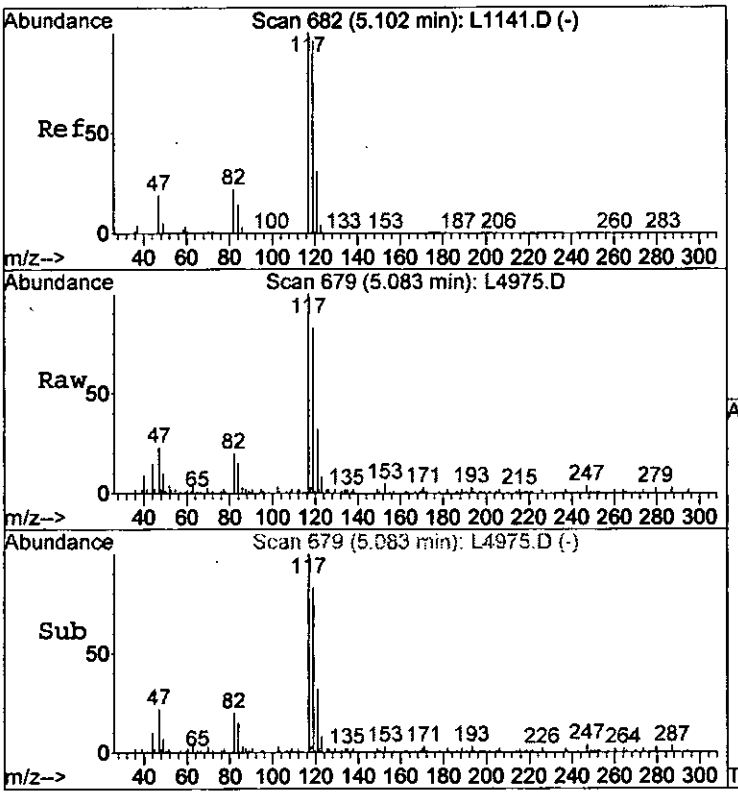


#7
Acetone
Concen: 1.50 ug/L
RT: 1.76 min Scan# 133
Delta R.T. 0.01 min
Lab File: L4975.D
Acq: 21 May 2014 4:34 pm

Tgt Ion: 43 Resp: 2365

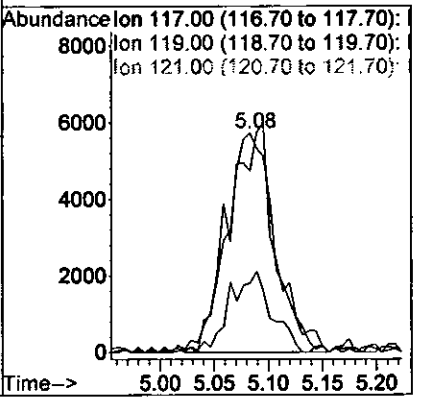
Ion	Ratio	Lower	Upper
43	100		
42	20.9	0.0	44.7
58	47.3	0.0	57.9

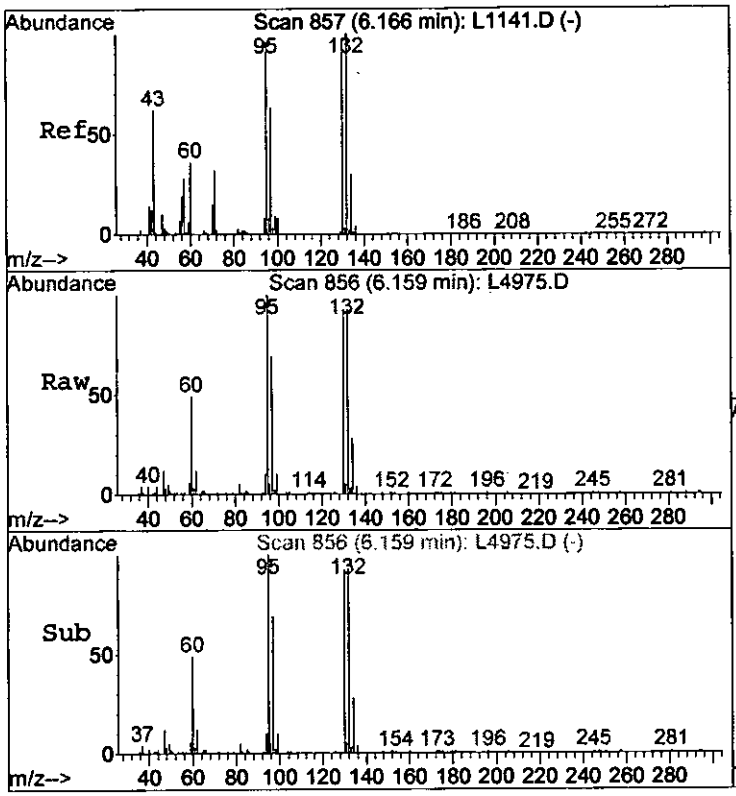




#21
Carbontetrachloride
Concen: 0.51 ug/L
RT: 5.08 min Scan# 679
Delta R.T. 0.01 min
Lab File: L4975.D
Acq: 21 May 2014 4:34 pm

Tgt Ion:117	Resp:	17653	
Ion	Ratio	Lower	Upper
117	100		
119	82.7	76.8	115.2
121	31.6	24.4	36.6

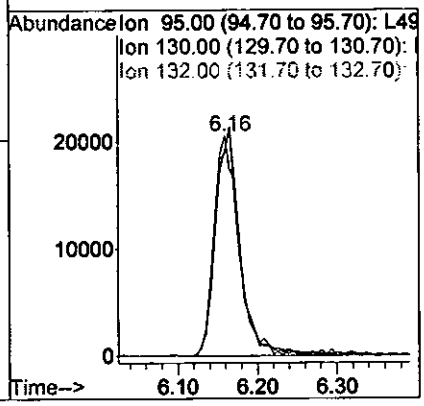




#24
Trichloroethene
Concen: 1.70 ug/L
RT: 6.16 min Scan# 856
Delta R.T. 0.01 min
Lab File: L4975.D
Acq: 21 May 2014 4:34 pm

Tgt Ion: 95 Resp: 46739

Ion	Ratio	Lower	Upper
95	100		
130	94.0	82.9	124.3
132	97.1	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D Vial: 13
Acq On : 21 May 2014 4:34 pm Operator: D.Lipani
Sample : R1403523-003|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

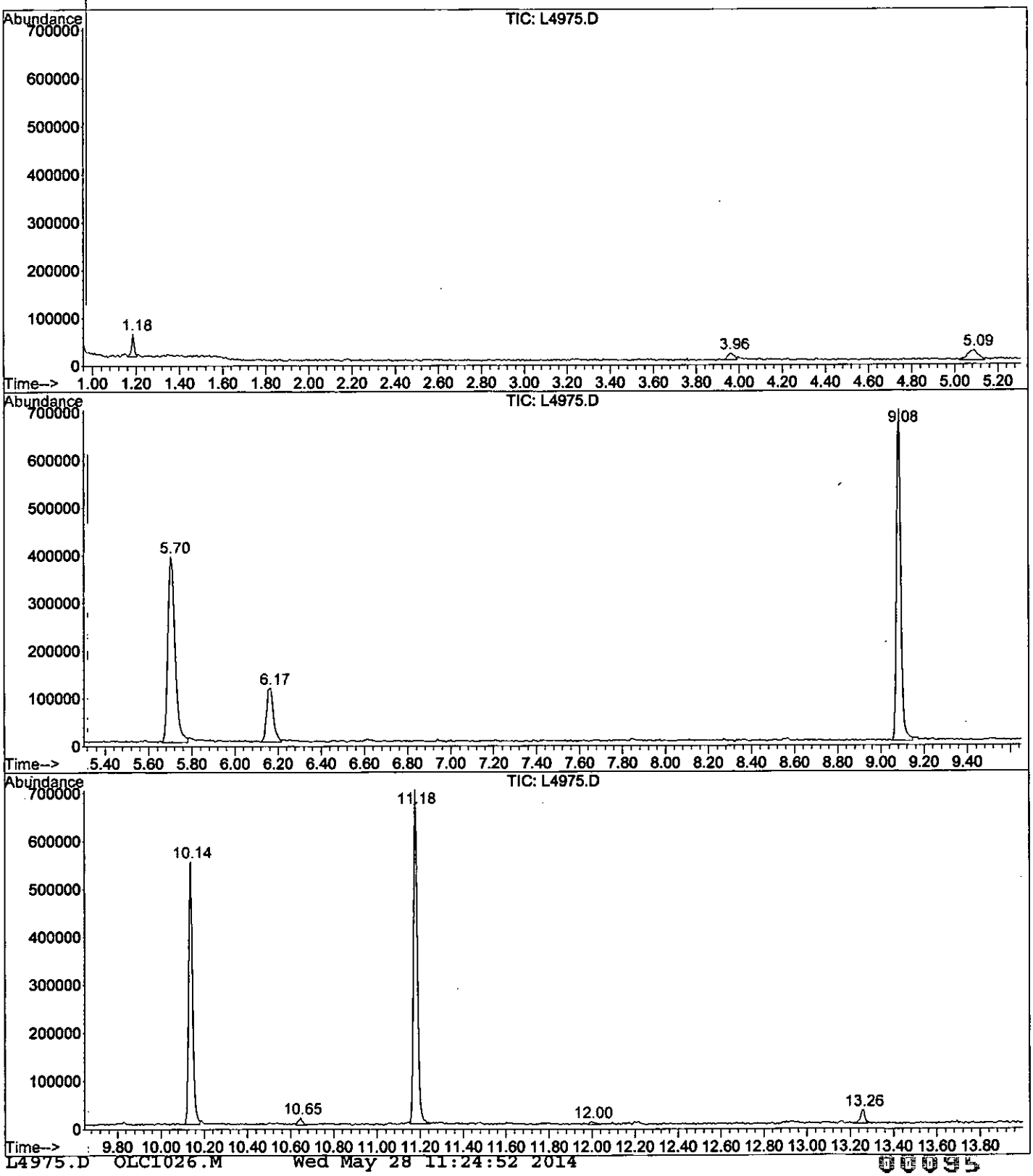
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.185	34	38	41	rBV	47274	39456	4.11%	1.024%
2	3.958	489	494	499	rBV5	14042	28504	2.97%	0.740%
3	5.089	669	680	688	rBV4	21729	72451	7.54%	1.880%
4	5.703	774	781	794	rBV	389038	887922	92.40%	23.038%
5	6.166	849	857	865	rBV3	113306	255649	26.60%	6.633%
6	9.085	1331	1337	1347	rBV	695418	960974	100.00%	24.934%
7	10.137	1504	1510	1517	rBV	547825	680801	70.84%	17.664%
8	10.648	1590	1594	1599	rVB2	14820	19094	1.99%	0.495%
9	11.177	1677	1681	1693	rVB	694379	855506	89.02%	22.197%
10	11.998	1813	1816	1823	rBV9	6024	11787	1.23%	0.306%
11	13.256	2016	2023	2031	rBV4	27772	41952	4.37%	1.089%

Sum of corrected areas: 3854096

L4975.D OLC1026.M Wed May 28 11:24:47 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D
Operator : D.Lipani
Acquired : 21 May 2014 4:34 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-003|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 13
Quant File :OLC1026.RES (RTE Integrator)



L4975.D OLC1026.M Wed May 28 11:24:52 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 4:34 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D
Name: R1403523-003|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4975.D OLC1026.M Wed May 28 11:24:52 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1100
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 18:12
Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,I,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	1.7	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1100
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 18:12
Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	80-120	5/21/14 18:12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1812

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D Vial: 16
Acq On : 21 May 2014 6:12 pm Operator: D.Lipani
Sample : R1403523-004|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 18:30 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	374232	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.09	117	315282	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	135120	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	118068	4.97	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.40%			
Target Compounds						Qvalue
7) Acetone	~~1.82~~ 1.76	43	~~330~~ 2584 = 1.66m	~~0.21~~	ug/L	75

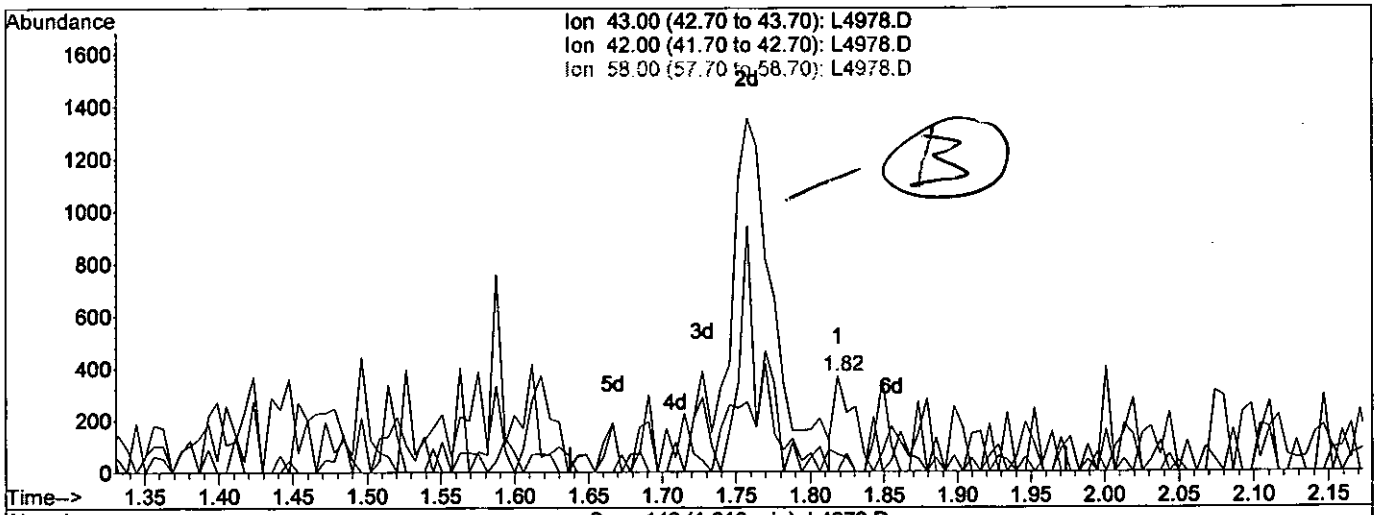
DL 5/28/14

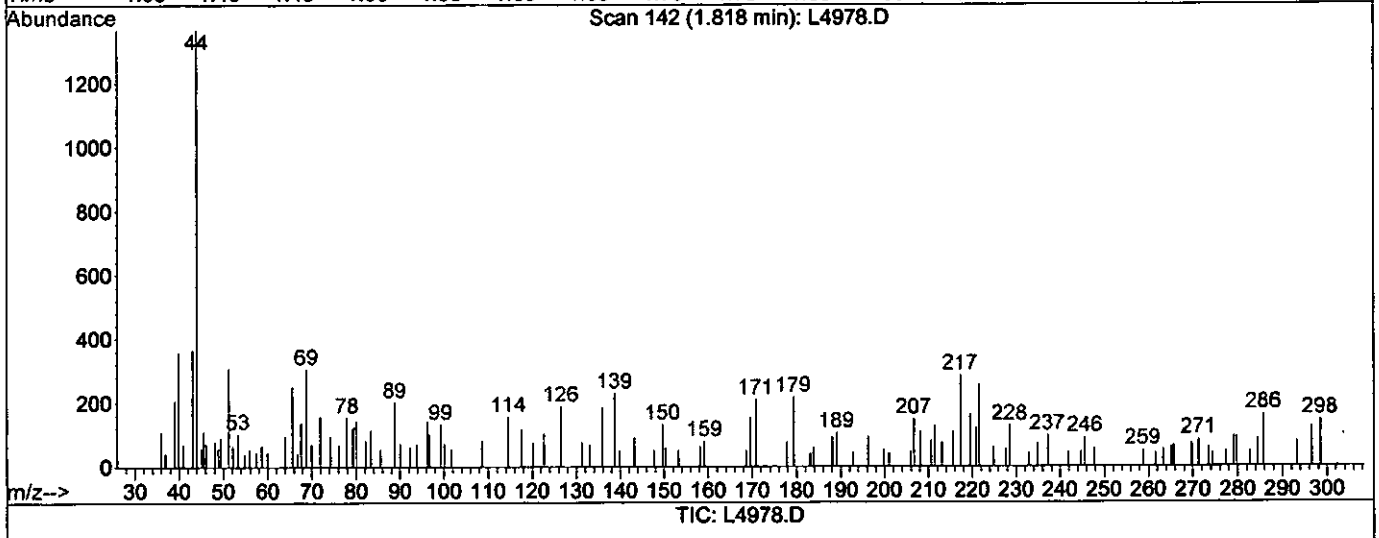
(#) = qualifier out of range (m) = manual integration
L4978.D OLC1026.M Wed May 21 18:30:21 2014 00106 Page 1

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D Vial: 16
Acq On : 21 May 2014 6:12 pm Operator: D.Lipani
Sample : R1403523-004|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 18:30 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration





TIC: L4978.D

(7) Acetone

1.82min 0.21ug/L

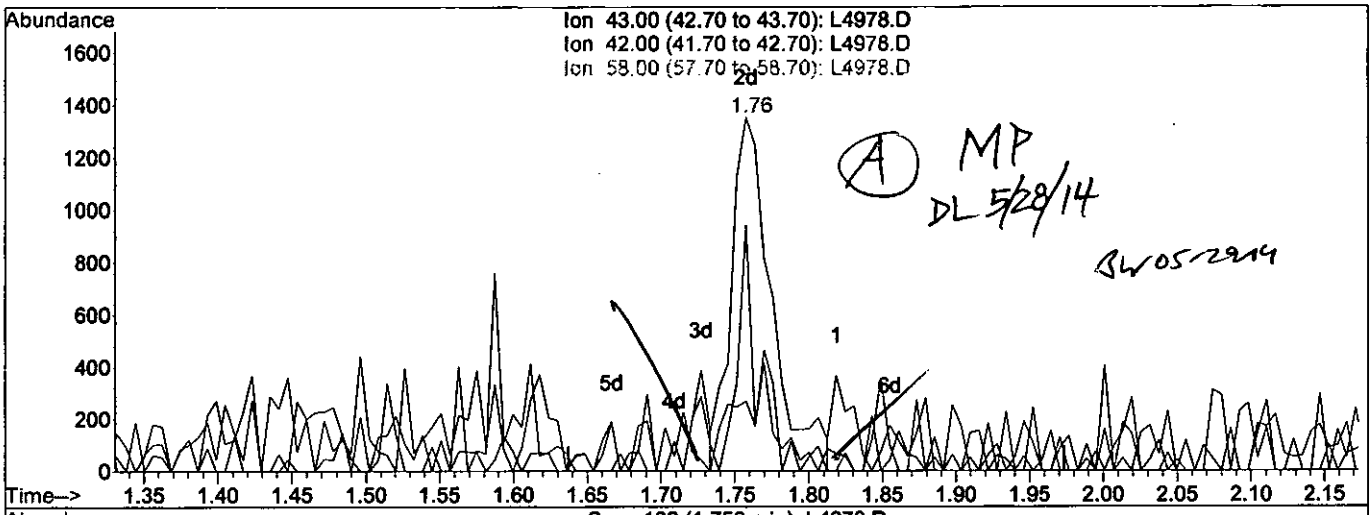
response 330

Ion	Exp%	Act%
43.00	100	100
42.00	14.70	0.00
58.00	27.90	17.98
0.00	0.00	0.00

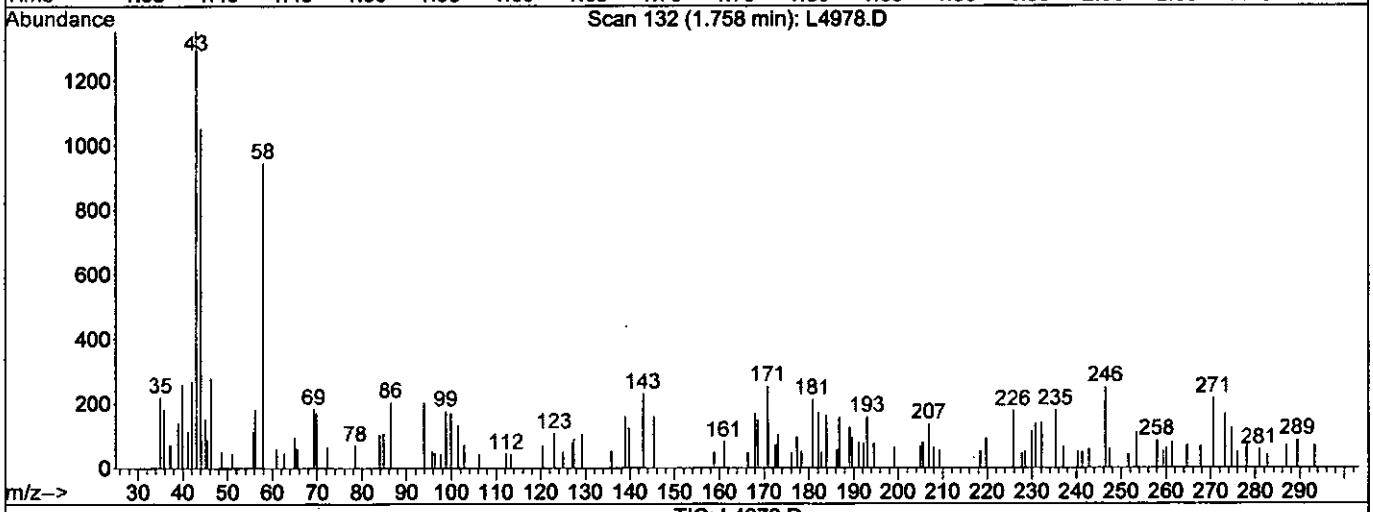
Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D Vial: 16
Acq On : 21 May 2014 6:12 pm Operator: D.Lipani
Sample : R1403523-004|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 28 11:39 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration



MP
DL 5/28/14
BW 05/29/14



(7) Acetone

1.76min 1.66ug/L m

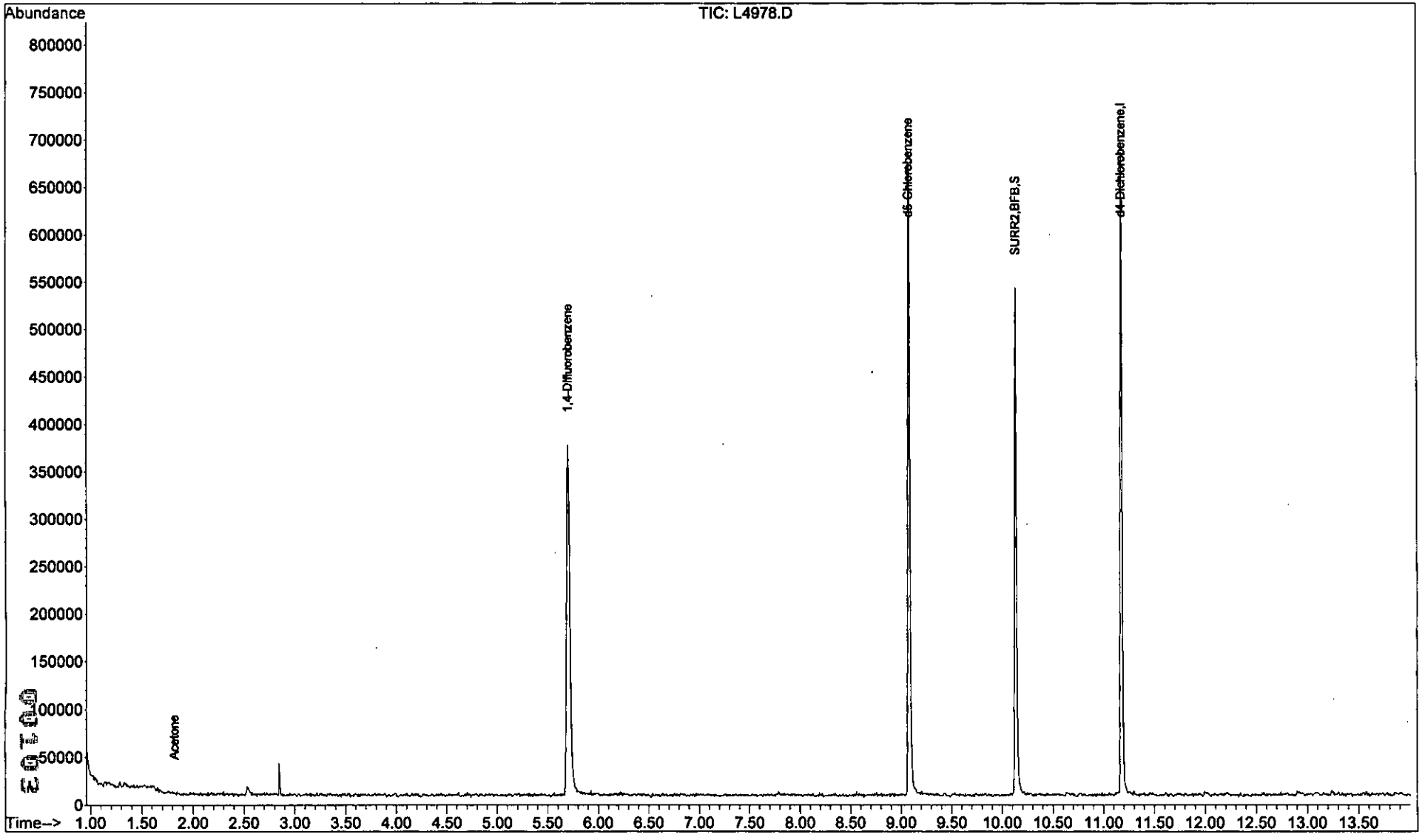
response 2584

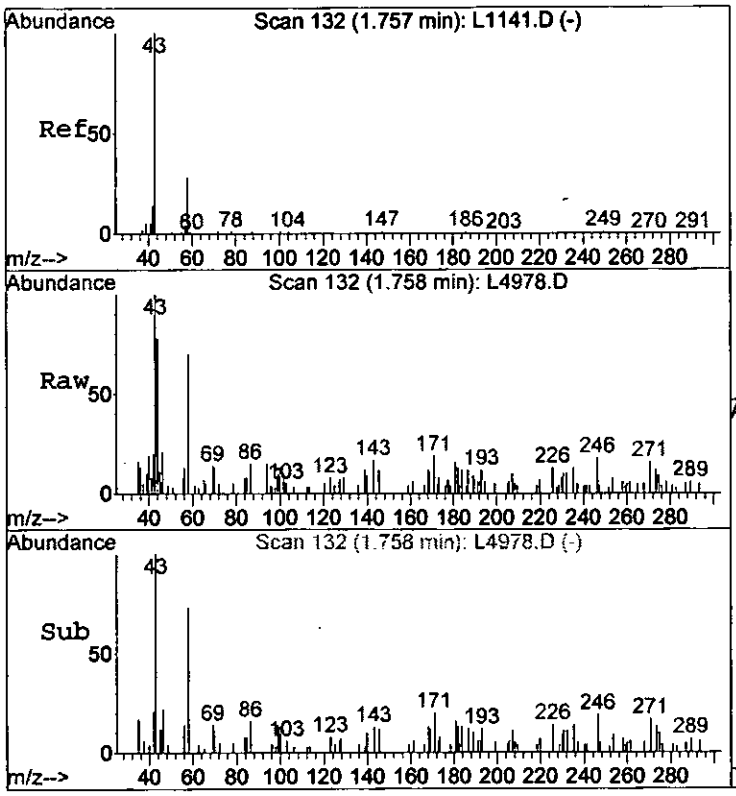
Ion	Exp%	Act%
43.00	100	100
42.00	14.70	19.79
58.00	27.90	69.72#
0.00	0.00	0.00

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D Vial: 16
Acq On : 21 May 2014 6:12 pm Operator: D.Lipani
Sample : R1403523-004|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 18:30 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

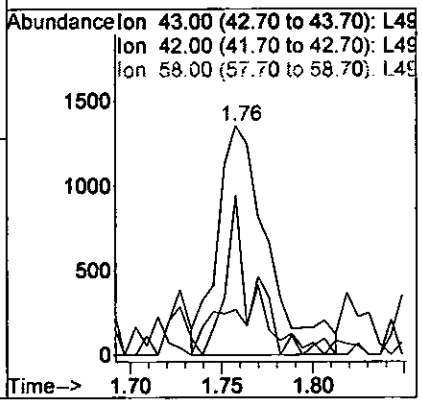




#7
Acetone
Concen: 1.66 ug/L m
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L4978.D
Acq: 21 May 2014 6:12 pm

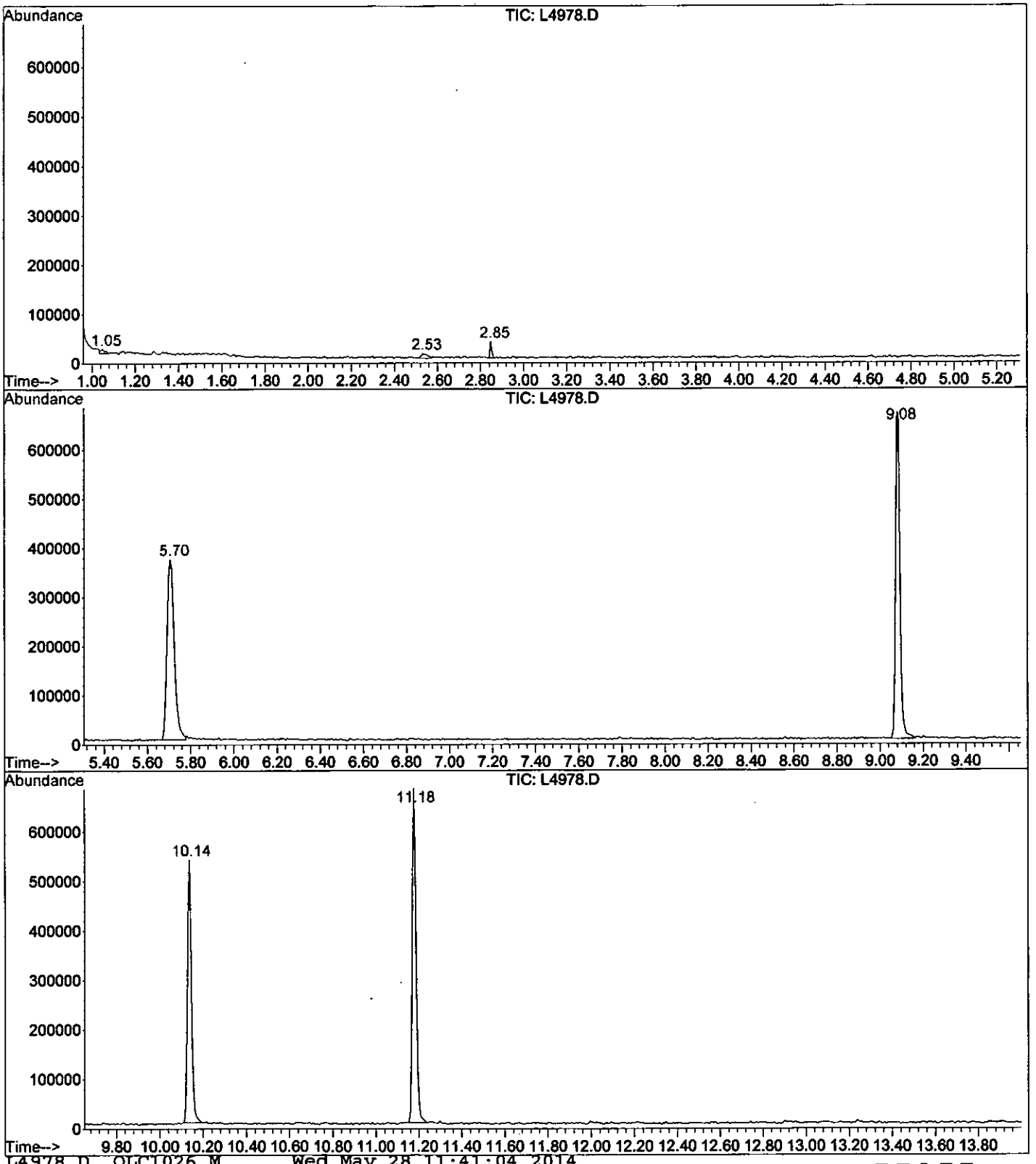
Tgt Ion: 43 Resp: 2584

Ion	Ratio	Lower	Upper
43	100		
42	19.8	0.0	44.7
58	69.7	0.0	57.9#



LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D
Operator : D.Lipani
Acquired : 21 May 2014 6:12 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-004|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 16
Quant File :OLC1026.RES (RTE Integrator)



L4978.D OLC1026.M Wed May 28 11:41:04 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 6:12 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D
Name: R1403523-004|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4978.D OLC1026.M Wed May 28 11:41:04 2014

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1145
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 17:38
Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1145
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 17:38
Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 17:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1738

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D Vial: 15
Acq On : 21 May 2014 5:38 pm Operator: D.Lipani
Sample : R1403523-005|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 17:56 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	384311	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	312574	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	135846	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	121565	4.98	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.60%			
Target Compounds						Qvalue
7) Acetone	1.76	43	1266	0.79	ug/L	80
~~46) 1,2 Dibromo 3 chloropropan~~	~~11.84~~	~~75~~	~~141~~	~~0.11~~	~~ug/L #~~	~~10~~

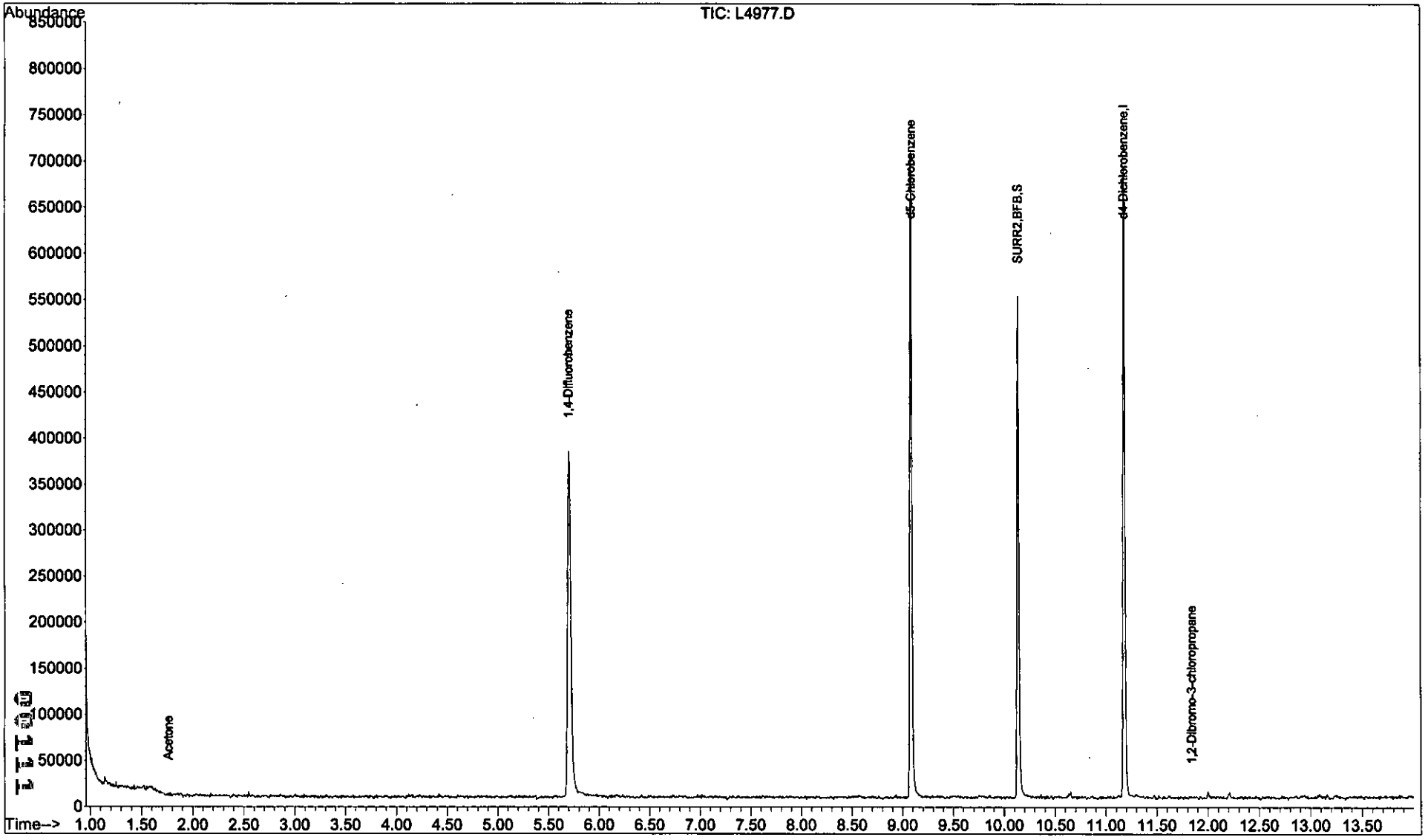
DL 5/28/14

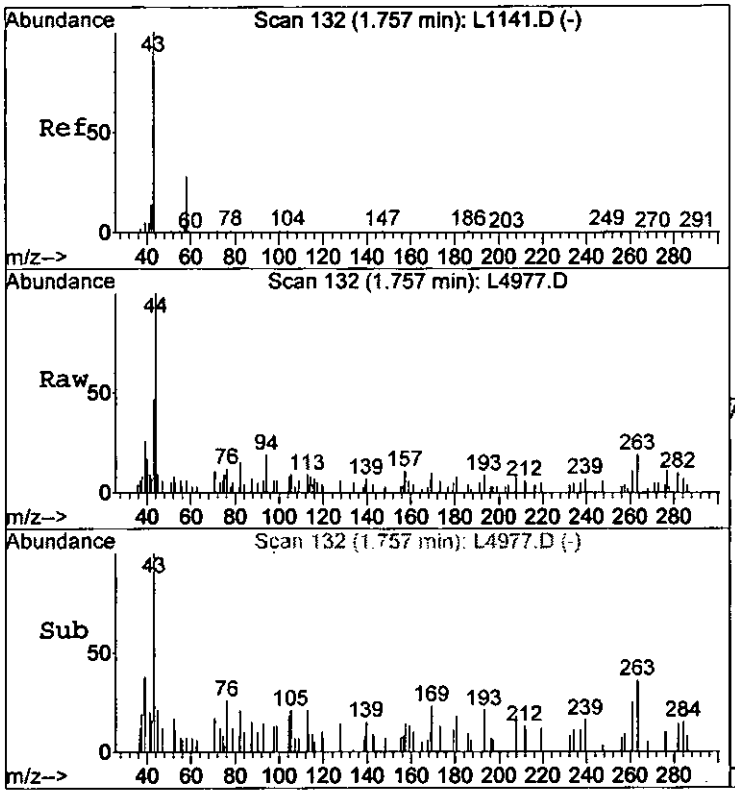
(#) = qualifier out of range (m) = manual integration
L4977.D OLC1026.M Wed May 21 17:56:30 2014 Page 1

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D Vial: 15
Acq On : 21 May 2014 5:38 pm Operator: D.Lipani
Sample : R1403523-005|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 17:56 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

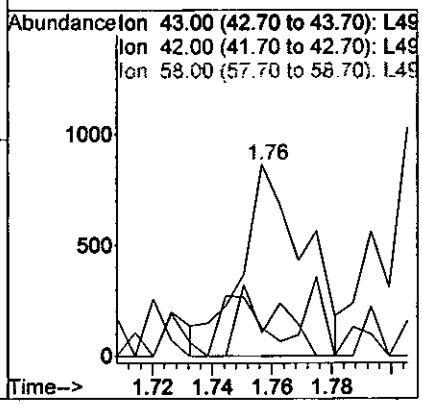




#7
Acetone
Concen: 0.79 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L4977.D
Acq: 21 May 2014 5:38 pm

Tgt Ion: 43 Resp: 1266

Ion	Ratio	Lower	Upper
43	100		
42	14.7	0.0	44.7
58	12.3	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D Vial: 15
Acq On : 21 May 2014 5:38 pm Operator: D.Lipani
Sample : R1403523-005|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

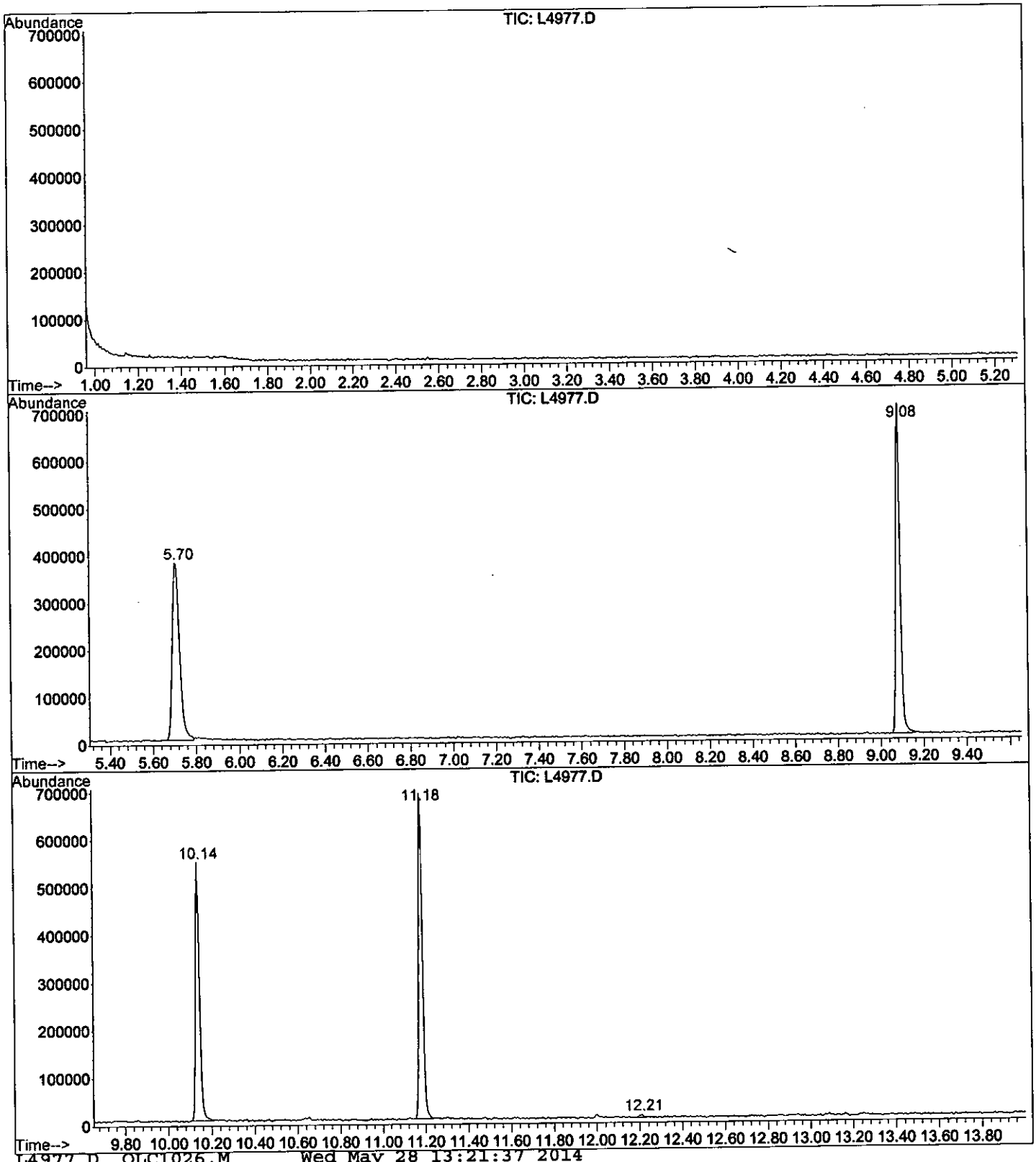
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.704	773	781	795	rBV	375108	872915	91.45%	25.877%
2	9.085	1332	1337	1349	rBV	697299	954498	100.00%	28.295%
3	10.137	1506	1510	1522	rBV	542901	679210	71.16%	20.135%
4	11.177	1677	1681	1691	rBV	681811	856962	89.78%	25.404%
5	12.211	1846	1851	1854	rBV6	7038	9762	1.02%	0.289%

Sum of corrected areas: 3373347

L4977.D OLC1026.M Wed May 28 13:21:33 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D
Operator : D.Lipani
Acquired : 21 May 2014 5:38 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-005|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 15
Quant File :OLC1026.RES (RTE Integrator)



L4977.D OLC1026.M Wed May 28 13:21:37 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 5:38 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D
Name: R1403523-005|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4977.D OLC1026.M Wed May 28 13:21:37 2014

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1215
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 18:45
Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1215
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 18:45
Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	5/21/14 18:45	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1845

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D Vial: 17
Acq On : 21 May 2014 6:45 pm Operator: D.Lipani
Sample : R1403523-006|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 19:03 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	379097	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.09	117	315017	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	135560	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	117922	4.90	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.00%			
Target Compounds						Qvalue
7) Acetone	1.76	43	1682	1.07	ug/L	88 LT

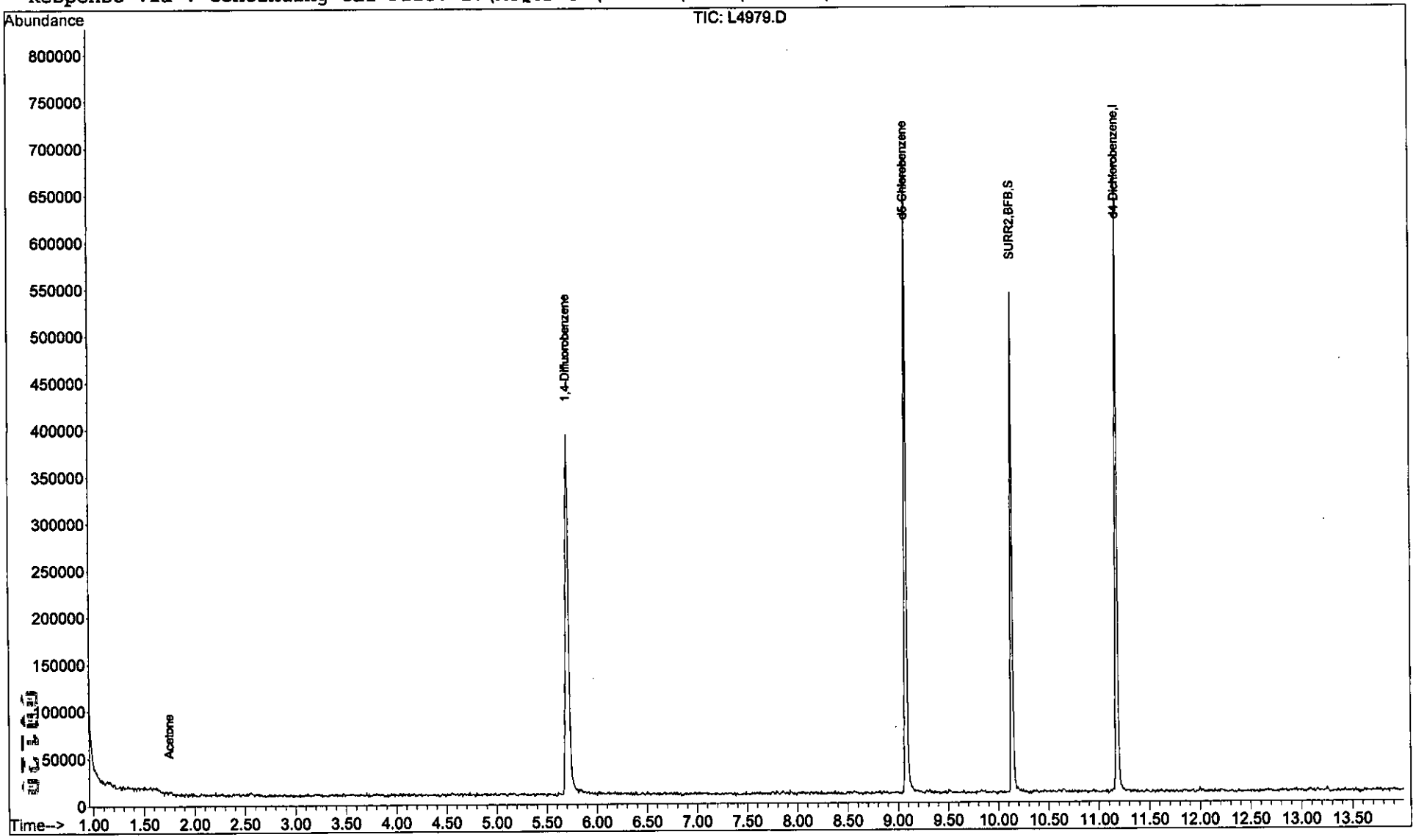
DL
5/28/14

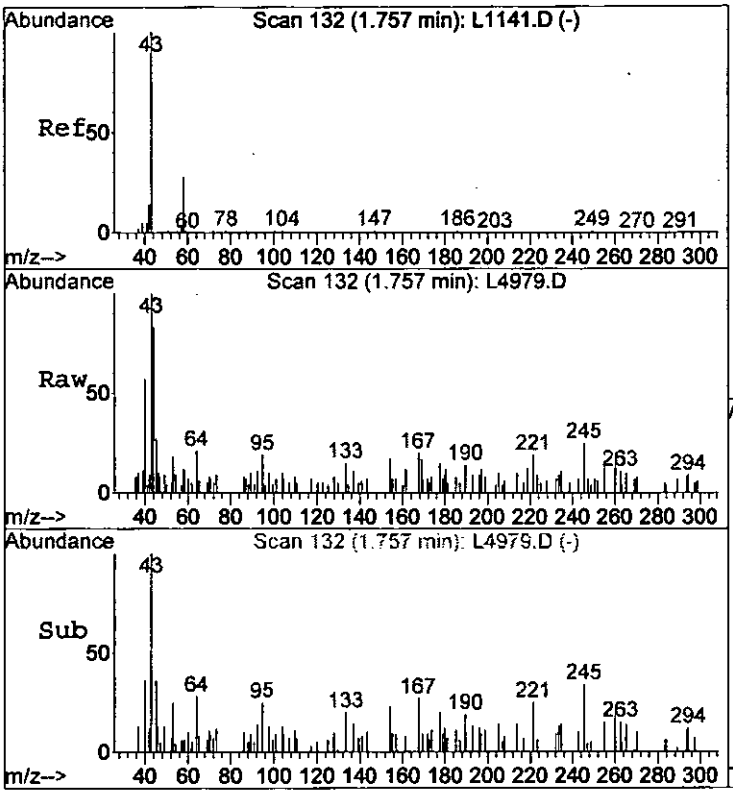
(#) = qualifier out of range (m) = manual integration
L4979.D OLC1026.M Wed May 21 19:03:36 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D Vial: 17
Acq On : 21 May 2014 6:45 pm Operator: D.Lipani
Sample : R1403523-006|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 19:03 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

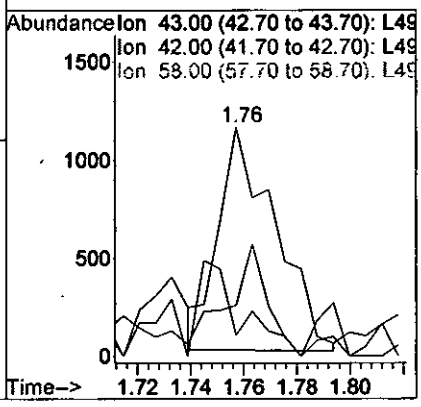




#7
Acetone
Concen: 1.07 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L4979.D
Acq: 21 May 2014 6:45 pm

Tgt Ion: 43 Resp: 1682

Ion	Ratio	Lower	Upper
43	100		
42	9.2	0.0	44.7
58	22.3	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D Vial: 17
Acq On : 21 May 2014 6:45 pm Operator: D.Lipani
Sample : R1403523-006|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

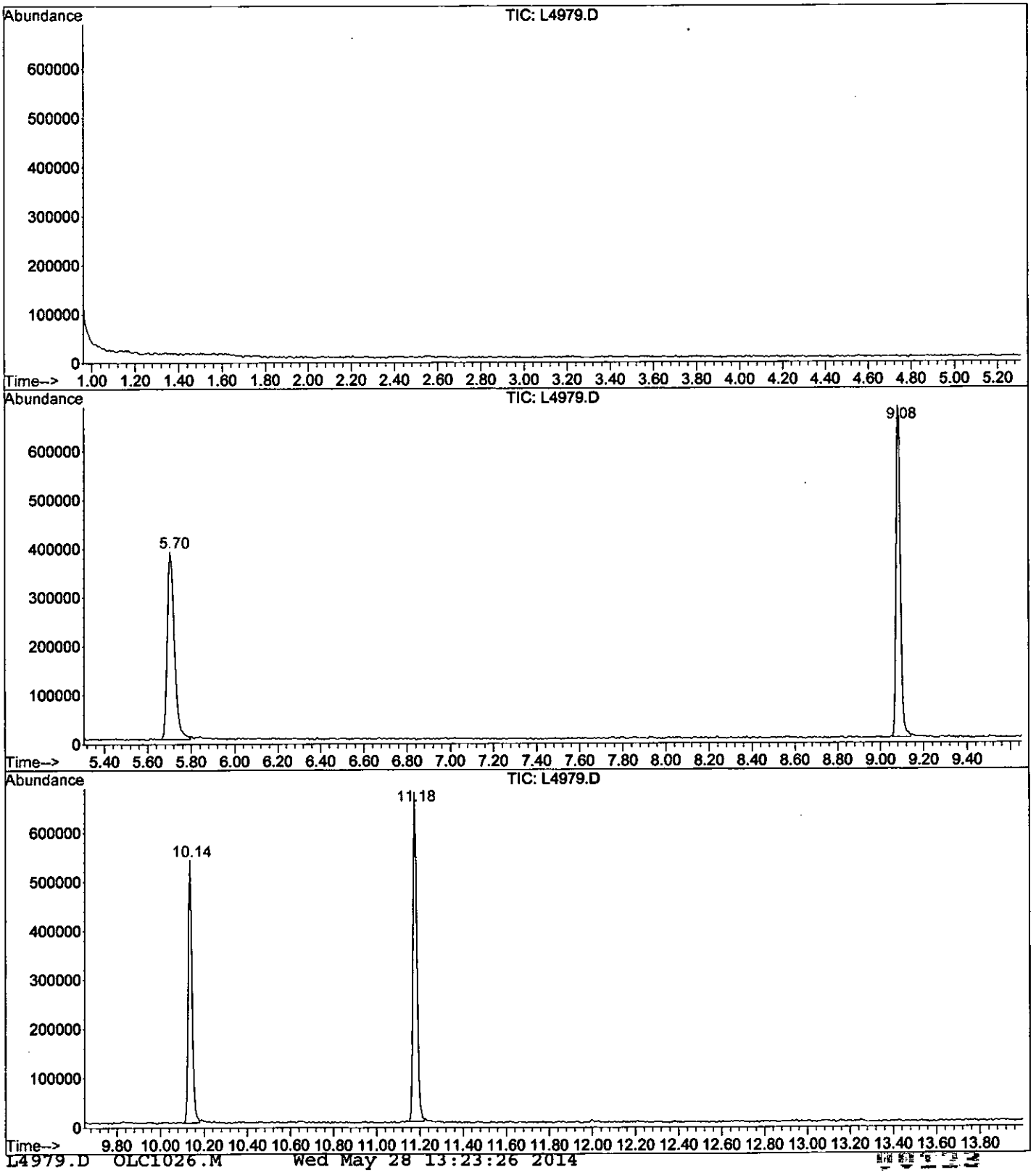
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.704	774	781	796	rBV	383859	874280	92.61%	26.431%
2	9.079	1332	1336	1346	rBV	679559	944066	100.00%	28.540%
3	10.137	1505	1510	1517	rBV	533556	666918	70.64%	20.162%
4	11.177	1676	1681	1688	rBV	669487	822559	87.13%	24.867%

Sum of corrected areas: 3307823

L4979.D OLC1026.M Wed May 28 13:23:22 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D
Operator : D.Lipani
Acquired : 21 May 2014 6:45 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-006|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 17
Quant File :OLC1026.RES (RTE Integrator)



L4979.D OLC1026.M Wed May 28 13:23:26 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 6:45 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D
Name: R1403523-006|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4979.D OLC1026.M Wed May 28 13:23:26 2014

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1300
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:21
Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1300
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:21
Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	80-120	5/21/14 19:21	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1921

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D Vial: 18
Acq On : 21 May 2014 7:21 pm Operator: D.Lipani
Sample : R1403523-007|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 19:39 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	382288	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	315896	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	136759	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	116970	4.82	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.40%			
Target Compounds						Qvalue
7) Acetone	1.75	43	1253	0.79	ug/L	62

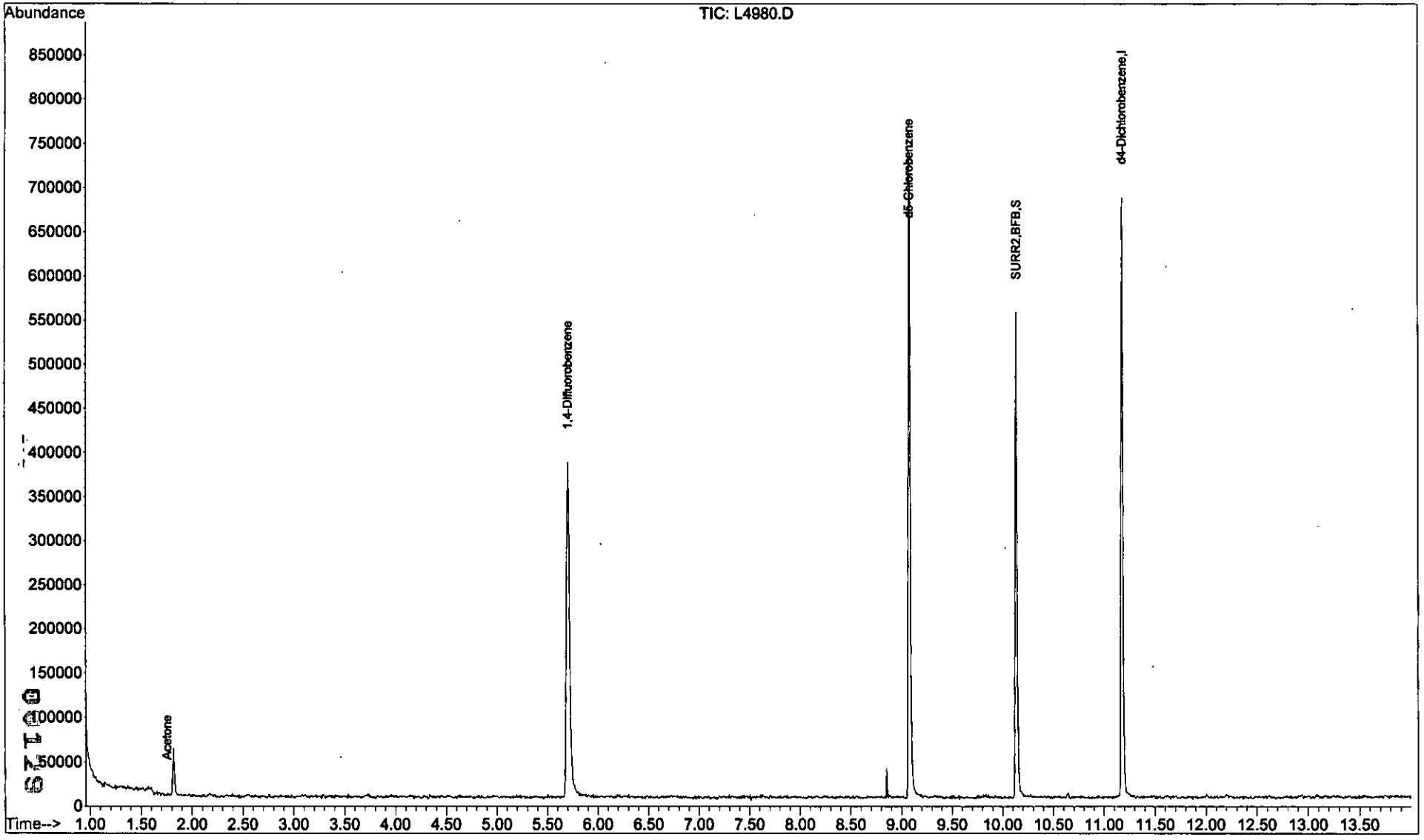
DL 5/28/14

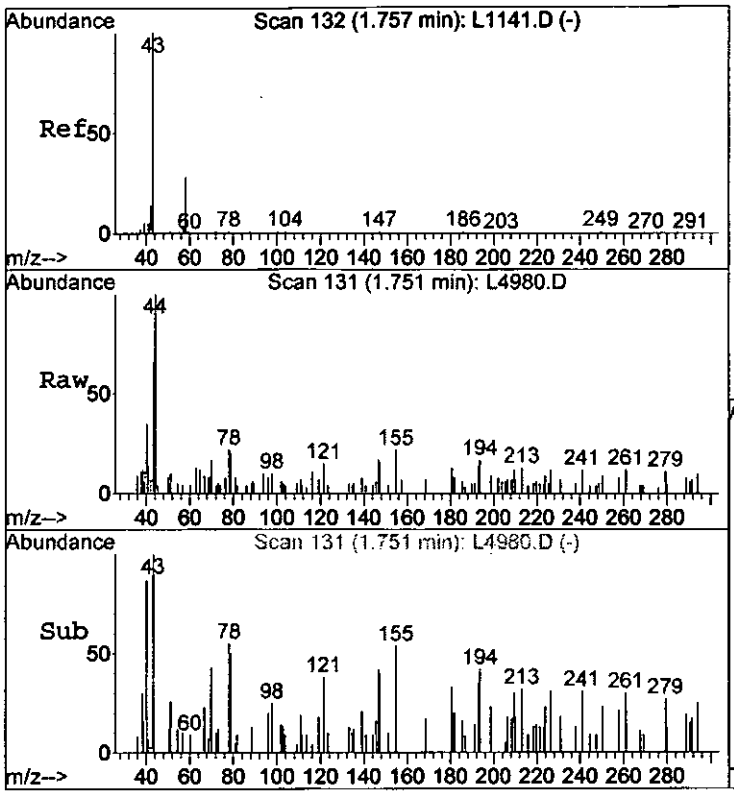
(#) = qualifier out of range (m) = manual integration
L4980.D OLC1026.M Wed May 21 19:39:41 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D Vial: 18
Acq On : 21 May 2014 7:21 pm Operator: D.Lipani
Sample : R1403523-007|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 19:39 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

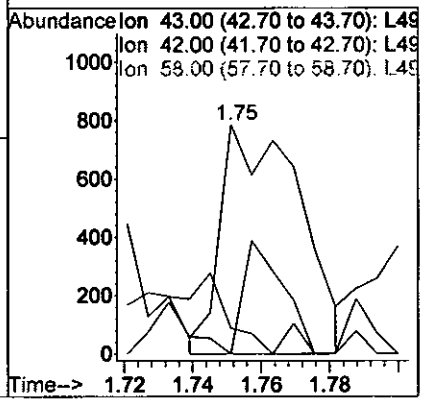




#7
Acetone
Concen: 0.79 ug/L
RT: 1.75 min Scan# 131
Delta R.T. -0.01 min
Lab File: L4980.D
Acq: 21 May 2014 7:21 pm

Tgt Ion: 43 Resp: 1253

Ion	Ratio	Lower	Upper
43	100		
42	11.2	0.0	44.7
58	0.0	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D Vial: 18
Acq On : 21 May 2014 7:21 pm Operator: D.Lipani
Sample : R1403523-007|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

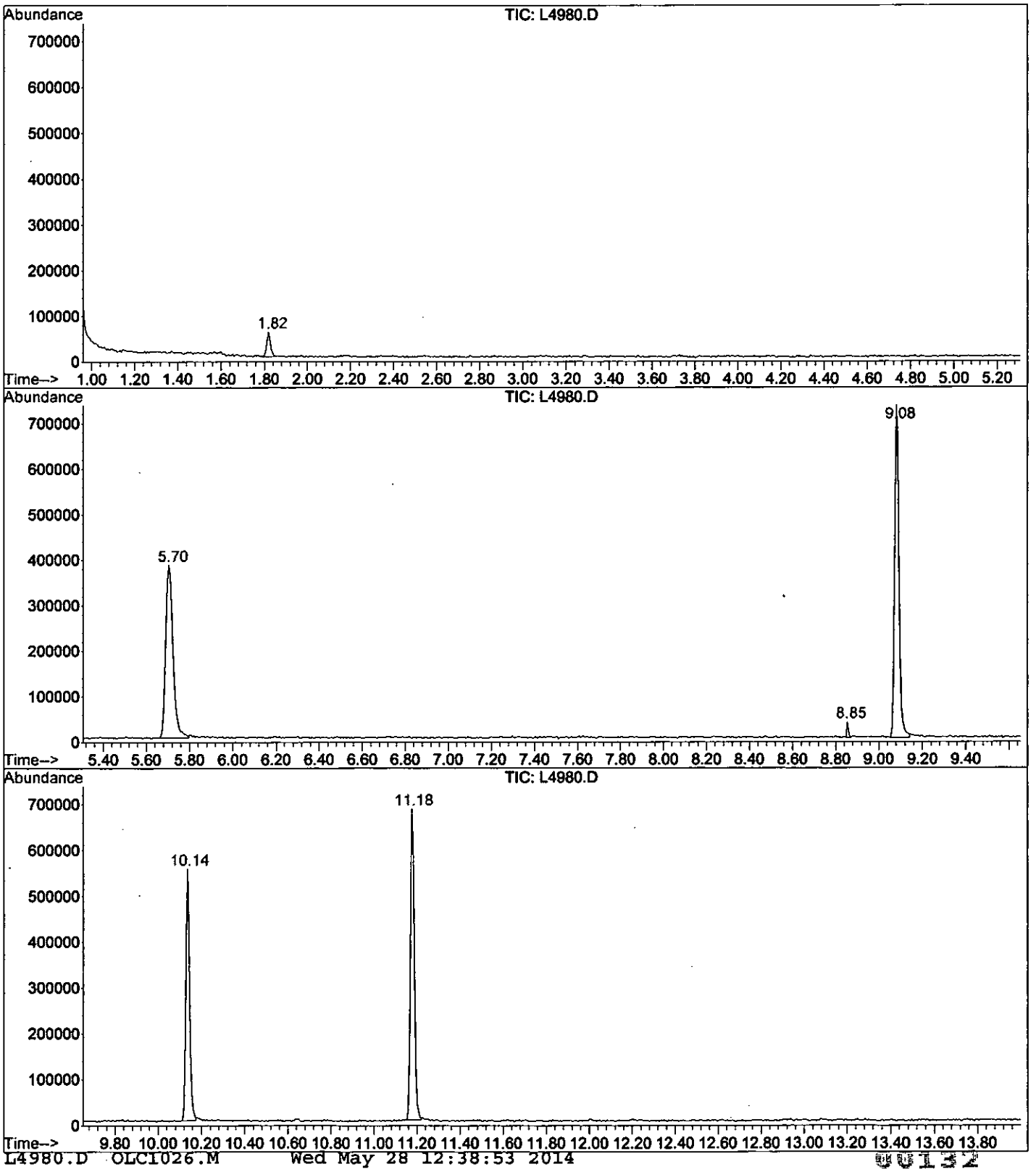
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.818	136	142	148	rBV	53953	65257	6.67%	1.893%
2	5.704	773	781	796	rBV	379151	874574	89.42%	25.371%
3	8.854	1298	1299	1302	rBV	33891	17594	1.80%	0.510%
4	9.079	1331	1336	1346	rBV	730047	978020	100.00%	28.371%
5	10.137	1505	1510	1516	rBV	548243	666475	68.15%	19.334%
6	11.177	1677	1681	1688	rBV	676446	845280	86.43%	24.521%

Sum of corrected areas: 3447200

L4980.D OLC1026.M Wed May 28 12:38:50 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D
Operator : D.Lipani
Acquired : 21 May 2014 7:21 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-007|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 18
Quant File :OLC1026.RES (RTE Integrator)



L4980.D OLC1026.M Wed May 28 12:38:53 2014

00132

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 7:21 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D
Name: R1403523-007|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4980.D OLC1026.M Wed May 28 12:38:53 2014

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1330
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:57
Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1330
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:57
Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	80-120	5/21/14 19:57	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1957

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D Vial: 19
Acq On : 21 May 2014 7:57 pm Operator: D.Lipani
Sample : R1403523-008|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 20:15 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	386672	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.09	117	312692	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	141581	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	121376	4.94	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.80%			
Target Compounds						Qvalue
7) Acetone	1.76	43	1549	0.96	ug/L	77
~~46) 1,2 Dibromo 3 chloropropan~~	~~11.84~~	~~75~~	~~136~~	~~0.10~~	~~ug/L #~~	~~36~~

AL 5/28/14

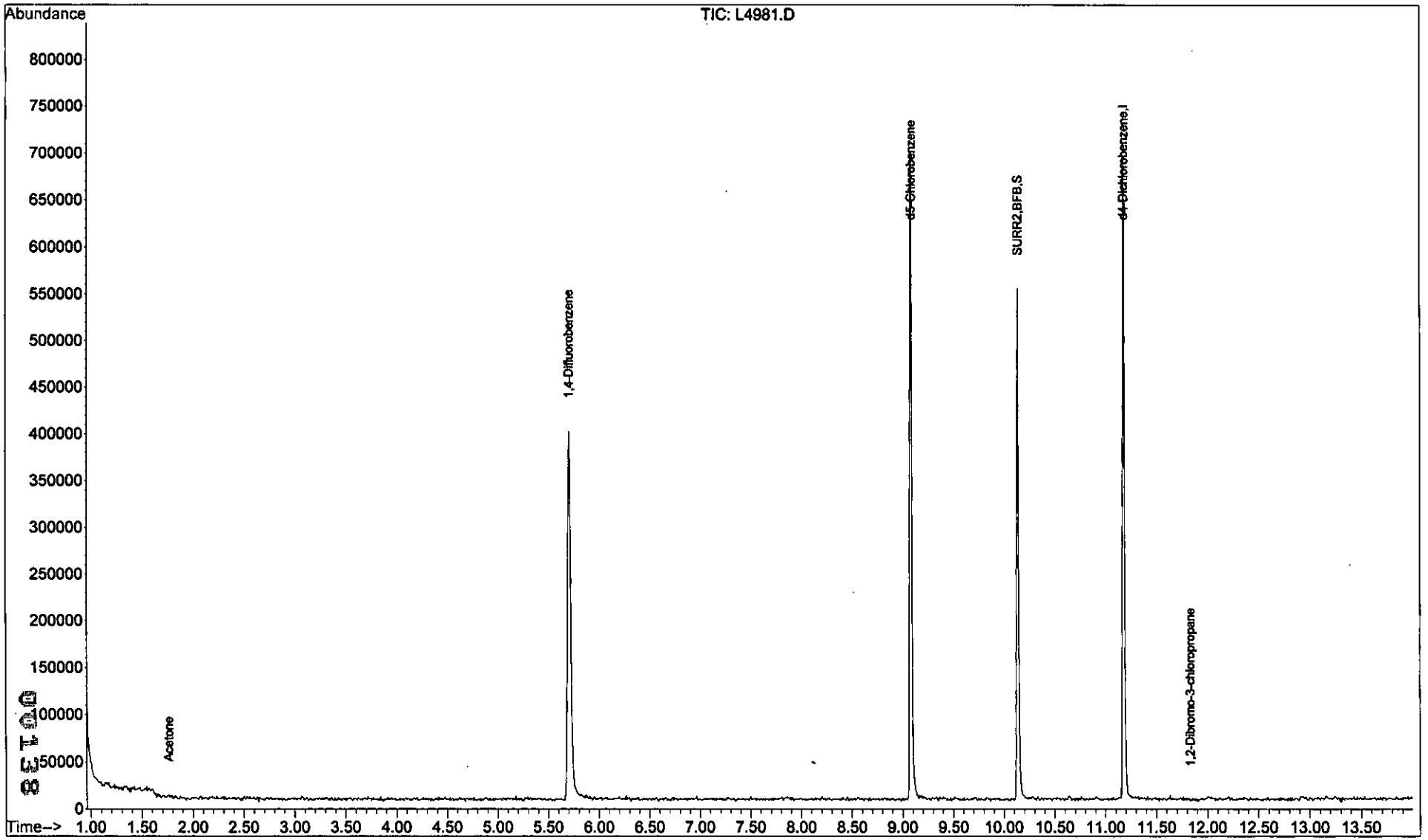
(#) = qualifier out of range (m) = manual integration
L4981.D OLC1026.M Wed May 21 20:15:22 2014

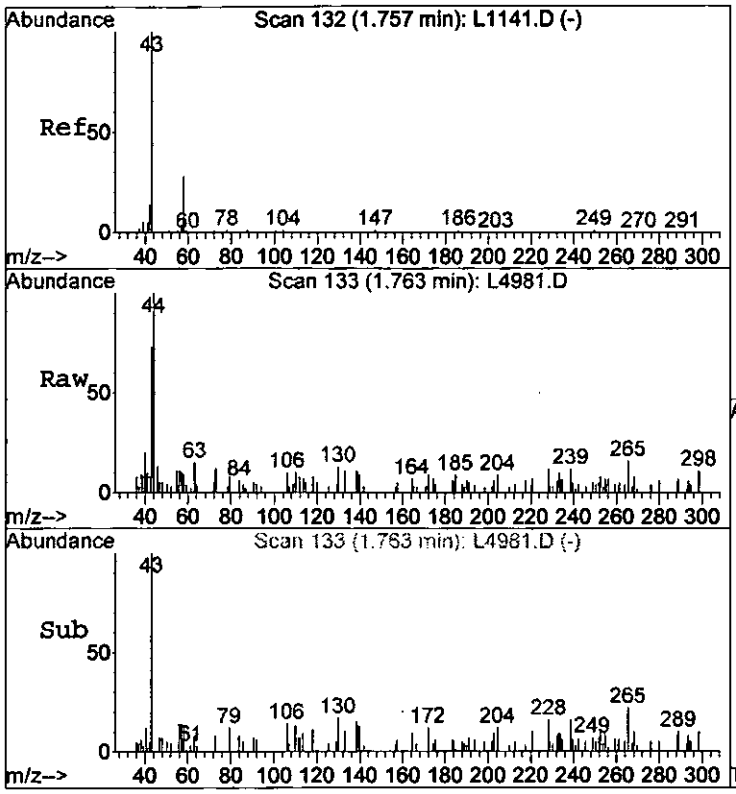
00137

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D Vial: 19
Acq On : 21 May 2014 7:57 pm Operator: D.Lipani
Sample : R1403523-008|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 20:15 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

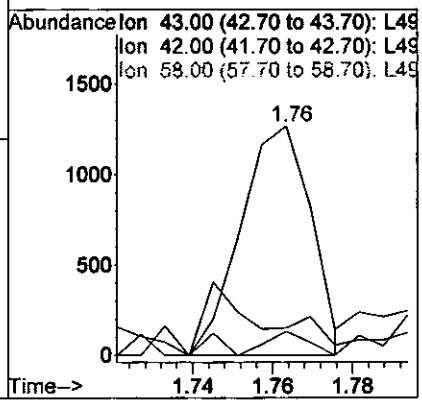




#7
Acetone
Concen: 0.96 ug/L
RT: 1.76 min Scan# 133
Delta R.T. 0.01 min
Lab File: L4981.D
Acq: 21 May 2014 7:57 pm

Tgt Ion: 43 Resp: 1549

Ion	Ratio	Lower	Upper
43	100		
42	10.5	0.0	44.7
58	12.0	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D Vial: 19
Acq On : 21 May 2014 7:57 pm Operator: D.Lipani
Sample : R1403523-008|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

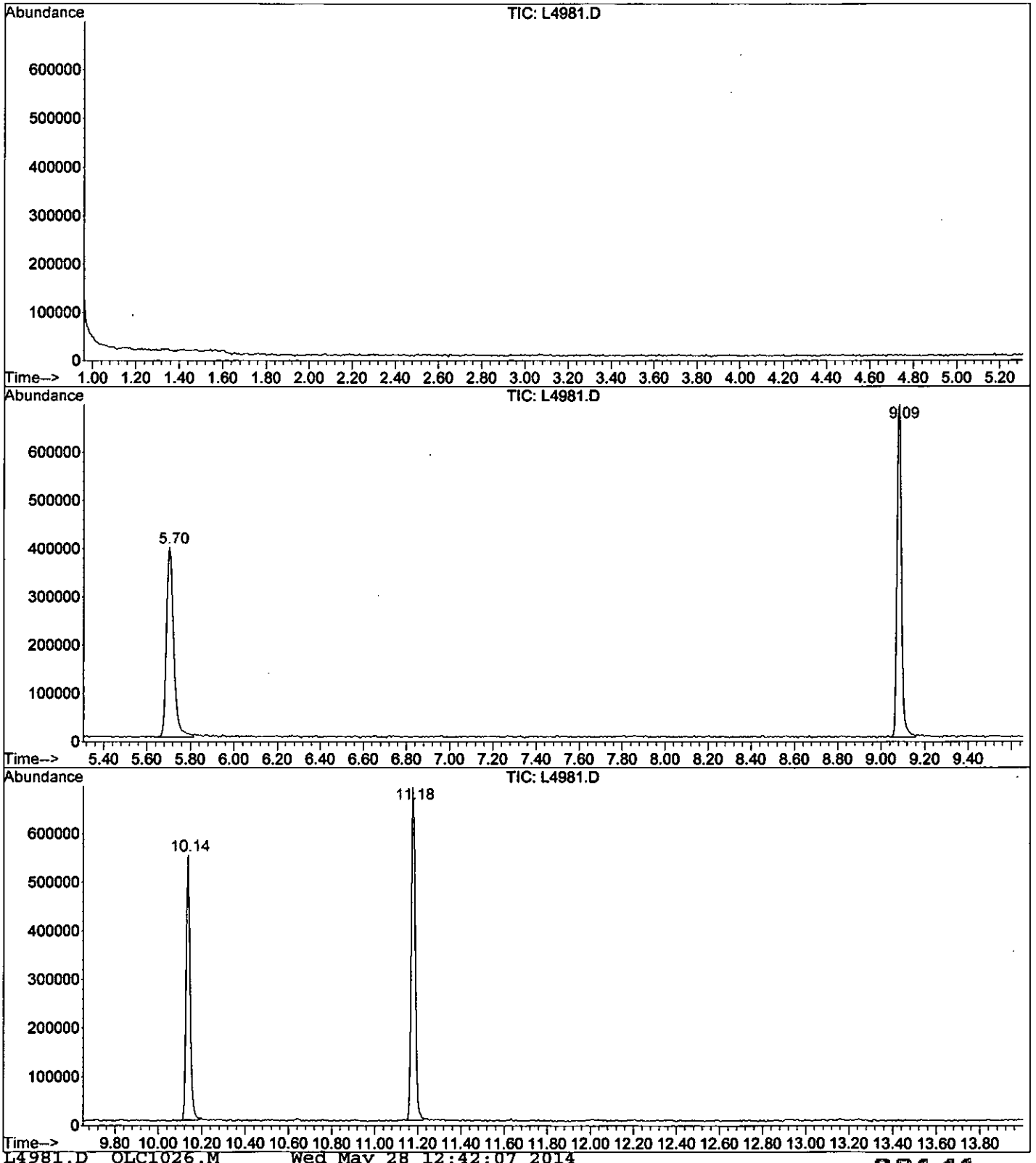
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.704	774	781	799	rBV	393849	897508	91.67%	26.270%
2	9.085	1330	1337	1349	rBV	689498	979101	100.00%	28.658%
3	10.137	1505	1510	1519	rBV	544691	673873	68.83%	19.724%
4	11.177	1676	1681	1689	rBV	683598	866010	88.45%	25.348%

Sum of corrected areas: 3416492

L4981.D OLC1026.M Wed May 28 12:42:03 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D
Operator : D.Lipani
Acquired : 21 May 2014 7:57 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-008|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 19
Quant File :OLC1026.RES (RTE Integrator)



L4981.D OLC1026.M Wed May 28 12:42:07 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 7:57 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D
Name: R1403523-008|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4981.D OLC1026.M Wed May 28 12:42:07 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1345
Date Received: 5/14/14
Date Analyzed: 5/21/14 20:32

Sample Name: SW-F
Lab Code: R1403523-009

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.2**	**J**	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1345
Date Received: 5/14/14
Date Analyzed: 5/21/14 20:32

Sample Name: SW-F
Lab Code: R1403523-009

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 20:32	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2032

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-F	**Units:**	µg/L
Lab Code:	R1403523-009	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D Vial: 20
Acq On : 21 May 2014 8:32 pm Operator: D.Lipani
Sample : R1403523-009|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 20:51 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	393028	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	320017	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	141405	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	126325	5.06	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.20%			
Target Compounds						Qvalue
7) Acetone	1.77	43	1992	1.22	ug/L	77
~~46) 1,2-Dibromo-3-chloropropan~~	~~11.82~~	~~75~~	~~151~~	~~0.11~~	~~ug/L #~~	~~40~~

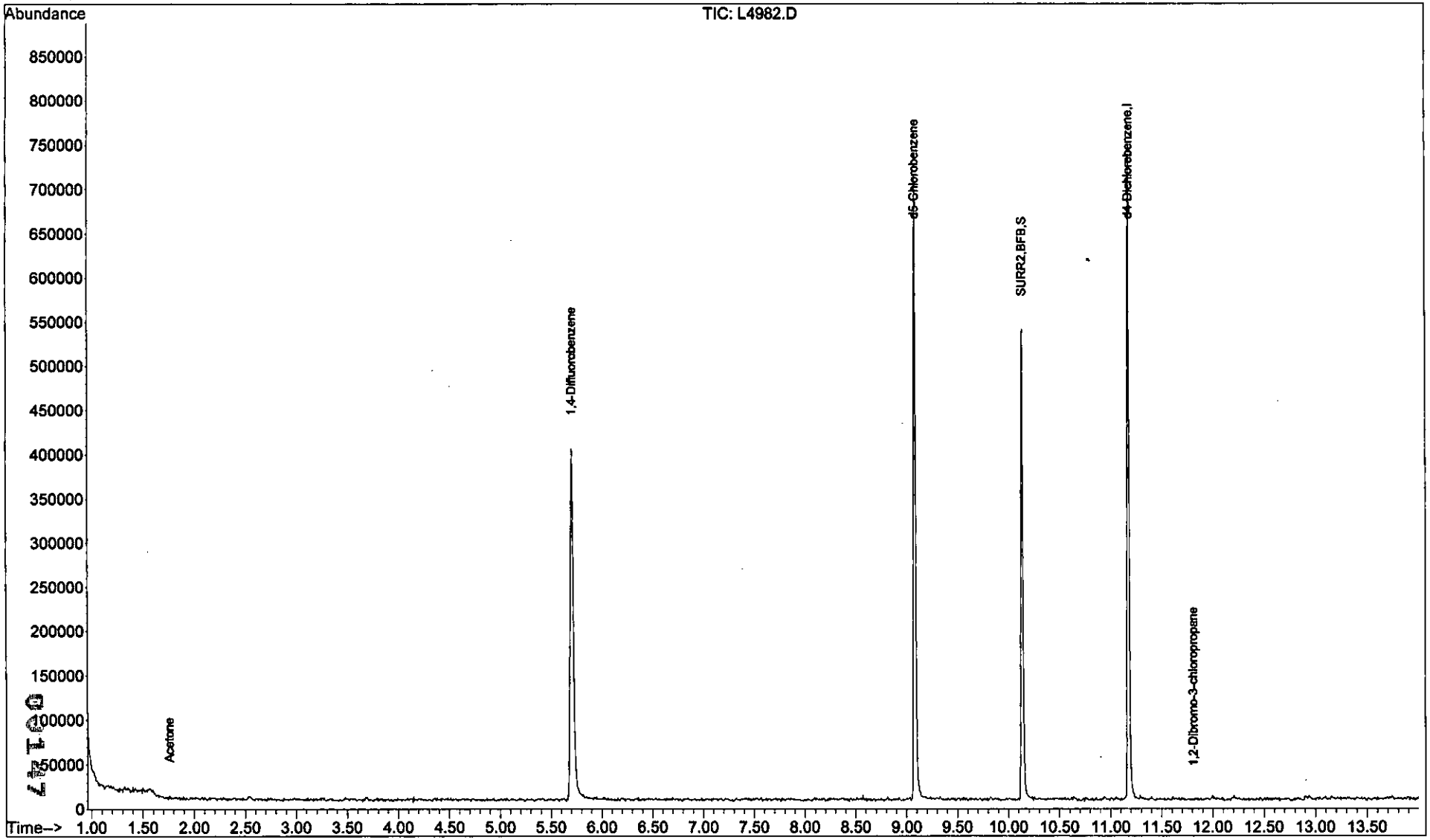
DL 5/28/14

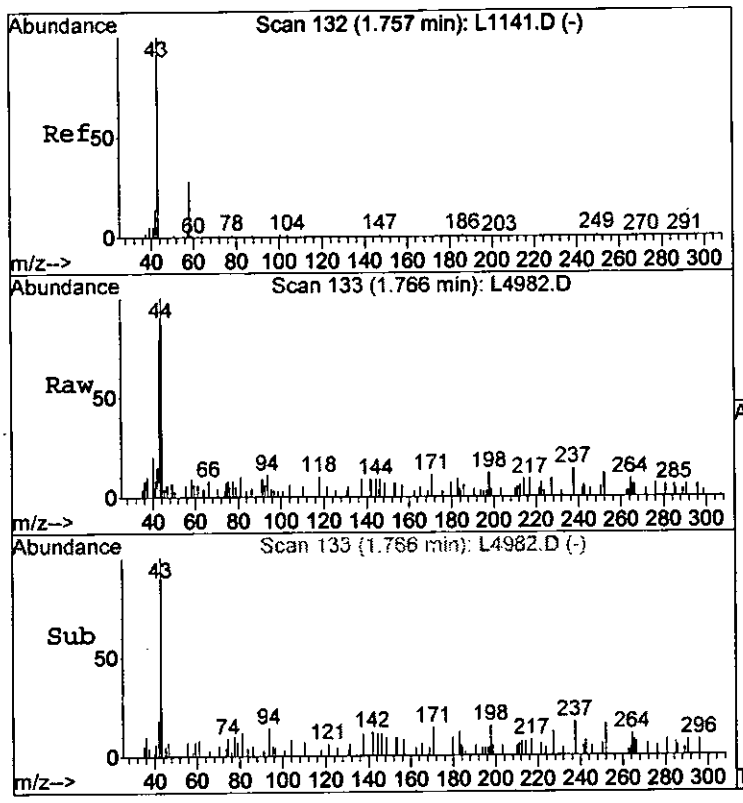
(#) = qualifier out of range (m) = manual integration
L4982.D OLC1026.M Wed May 21 20:51:10 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D Vial: 20
Acq On : 21 May 2014 8:32 pm Operator: D.Lipani
Sample : R1403523-009|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 20:51 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

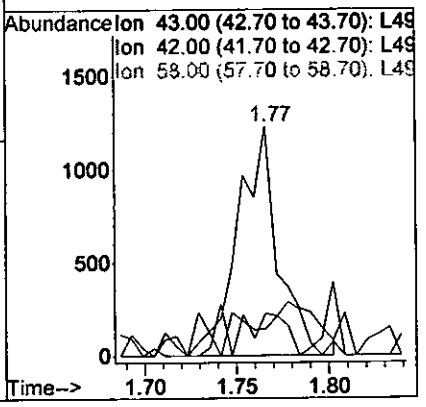




#7
Acetone
Concen: 1.22 ug/L
RT: 1.77 min Scan# 133
Delta R.T. 0.01 min
Lab File: L4982.D
Acq: 21 May 2014 8:32 pm

Tgt Ion: 43 Resp: 1992

Ion	Ratio	Lower	Upper
43	100		
42	18.4	0.0	44.7
58	11.6	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D Vial: 20
Acq On : 21 May 2014 8:32 pm Operator: D.Lipani
Sample : R1403523-009|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

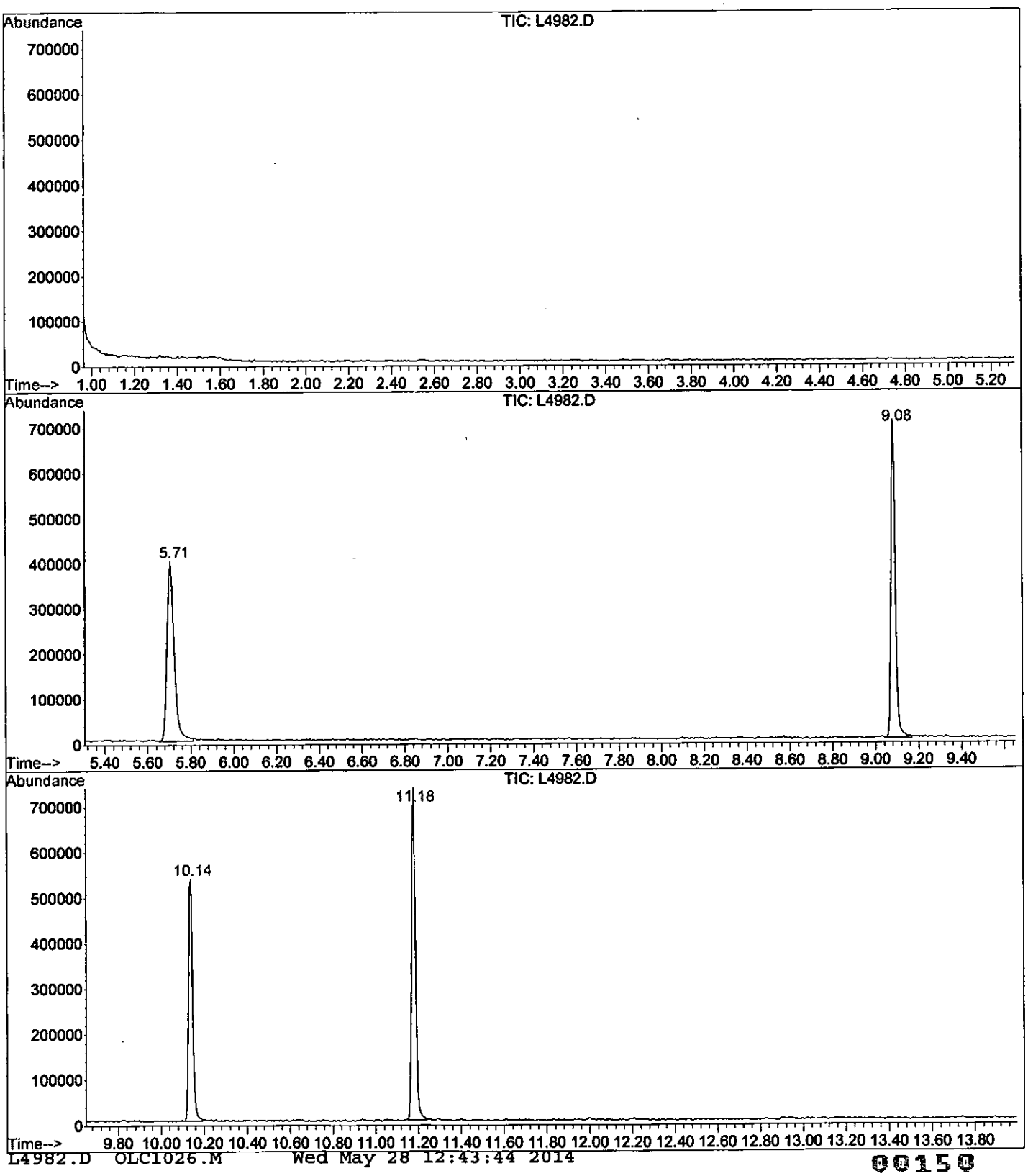
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.707	772	781	798	rBV	398231	909162	92.13%	26.024%
2	9.082	1330	1336	1350	rBV	705308	986864	100.00%	28.248%
3	10.140	1504	1510	1518	rBV	531613	705946	71.53%	20.207%
4	11.180	1676	1681	1691	rVB	728405	891546	90.34%	25.520%

Sum of corrected areas: 3493518

L4982.D OLC1026.M Wed May 28 12:43:40 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D
Operator : D.Lipani
Acquired : 21 May 2014 8:32 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-009|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 20
Quant File :OLC1026.RES (RTE Integrator)



L4982.D OLC1026.M Wed May 28 12:43:44 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 8:32 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D
Name: R1403523-009|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4982.D OLC1026.M Wed May 28 12:43:44 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1415
Date Received: 5/14/14
Date Analyzed: 5/21/14 21:08

Sample Name: SW-B
Lab Code: R1403523-010

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1415
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:08
Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**0.12**	**J**	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	5/21/14 21:08	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2108

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D Vial: 21
Acq On : 21 May 2014 9:08 pm Operator: D.Lipani
Sample : R1403523-010|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 21:26 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	386726	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	311935	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	135887	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	118880	4.84	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.80%			
Target Compounds						Qvalue
24) Trichloroethene	6.18	95	3262	0.12	ug/L	91
~~46) 1,2 Dibromo 3 chloropropan~~	~~11.85~~	~~75~~	~~139~~	~~0.11~~	~~ug/L #~~	~~1~~

7) Acetone 1.75 43 1577 = 0.98m

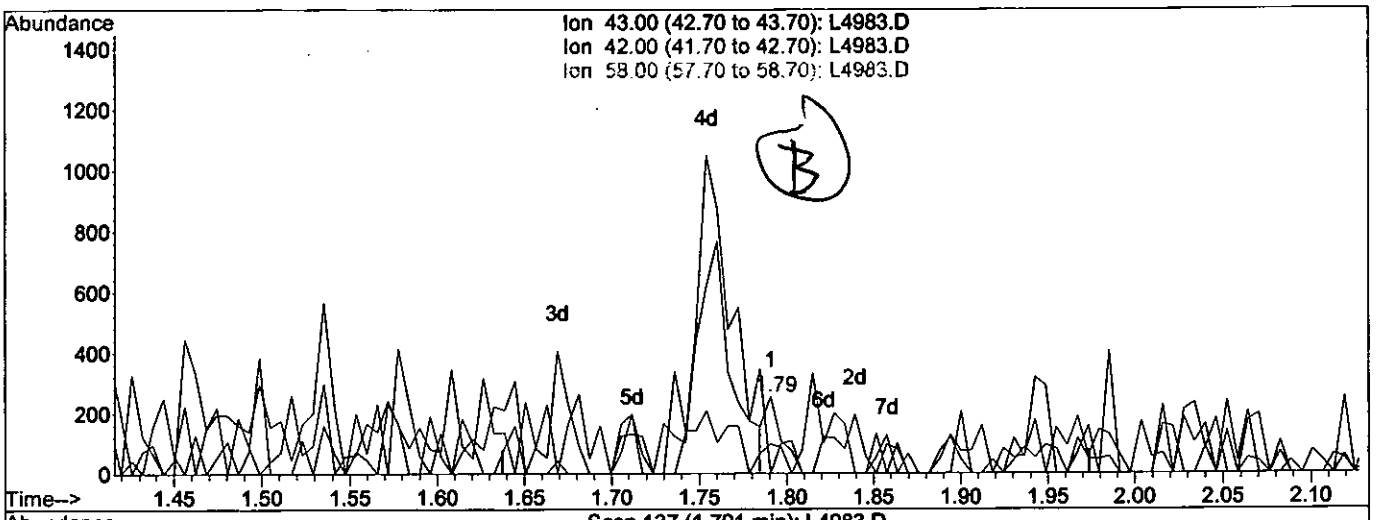
DL 5/28/14

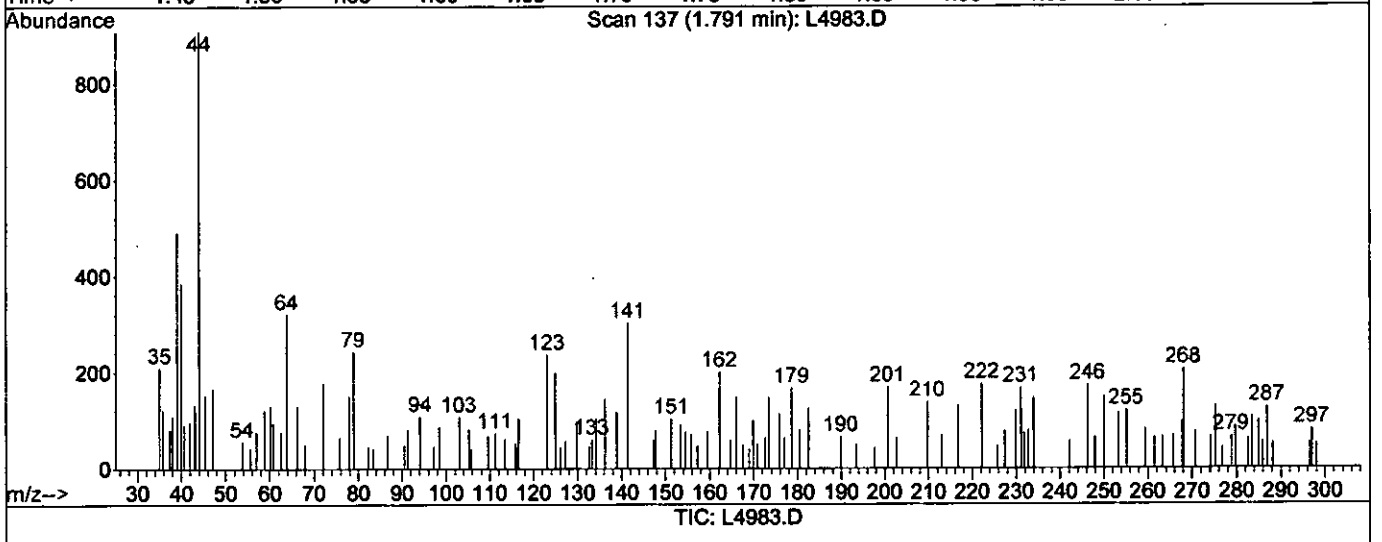
(#) = qualifier out of range (m) = manual integration
L4983.D OLC1026.M Wed May 21 21:26:58 2014

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D Vial: 21
Acq On : 21 May 2014 9:08 pm Operator: D.Lipani
Sample : R1403523-010|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 21:26 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration





TIC: L4983.D

(7) Acetone

1.79min 0.10ug/L

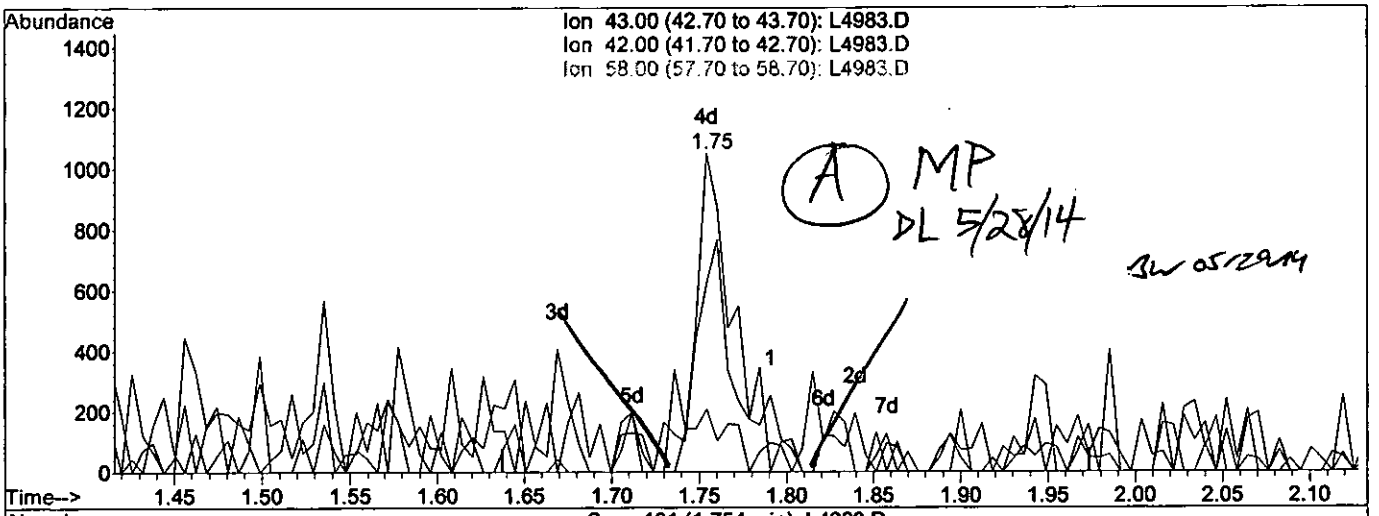
response 160

Ion	Exp%	Act%
43.00	100	100
42.00	14.70	38.19
58.00	27.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D Vial: 21
Acq On : 21 May 2014 9:08 pm Operator: D.Lipani
Sample : R1403523-010|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 28 12:44 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration



TIC: L4983.D

(7) Acetone

1.75min 0.98ug/L m

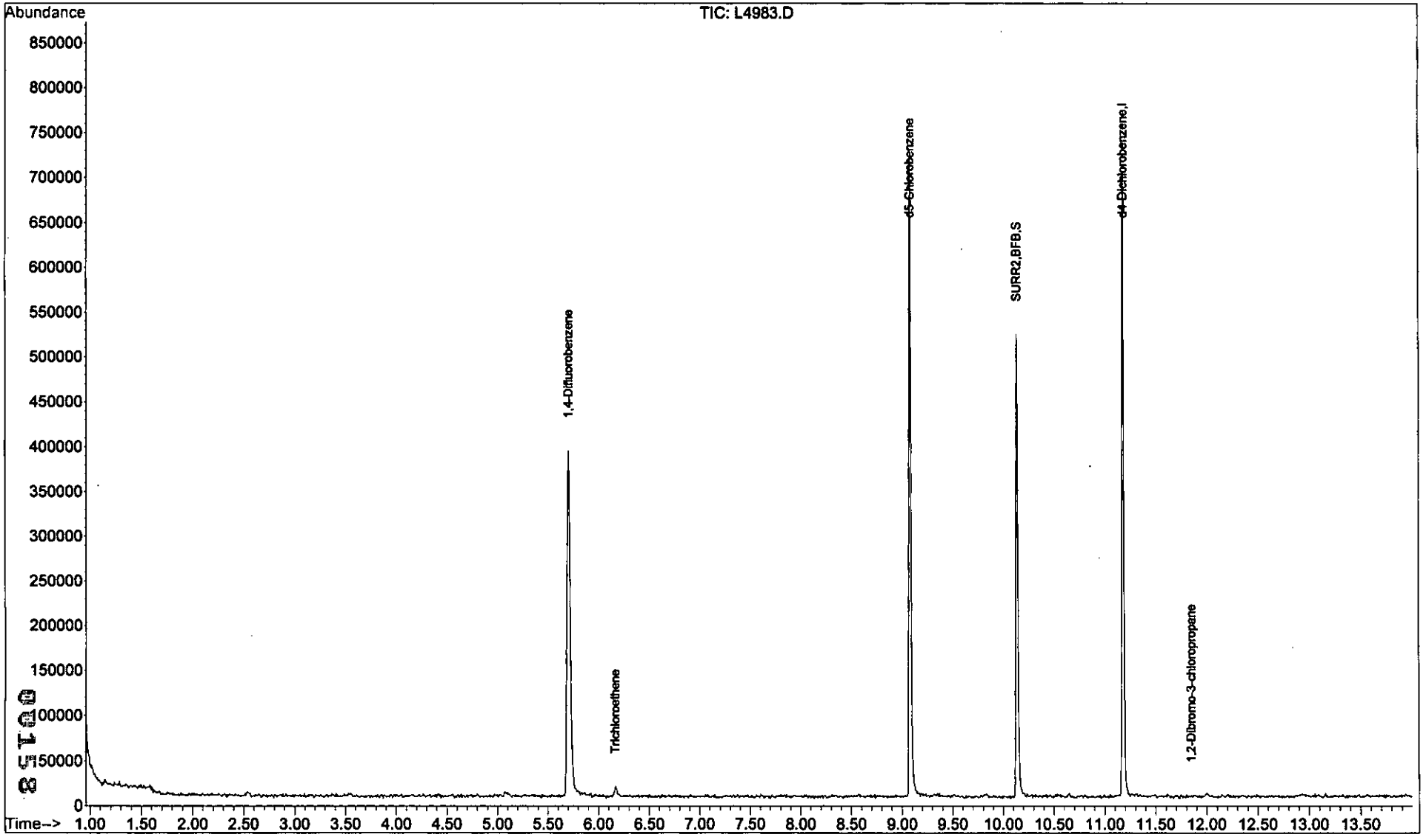
response 1577

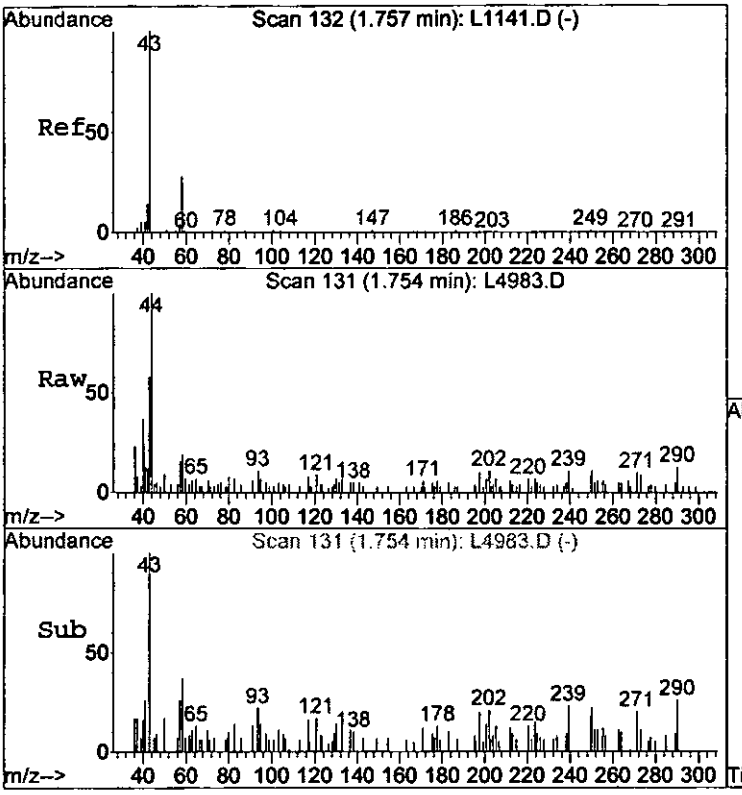
Ion	Exp%	Act%
43.00	100	100
42.00	14.70	19.79
58.00	27.90	31.97
0.00	0.00	0.00

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D Vial: 21
Acq On : 21 May 2014 9:08 pm Operator: D.Lipani
Sample : R1403523-010|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 21:26 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

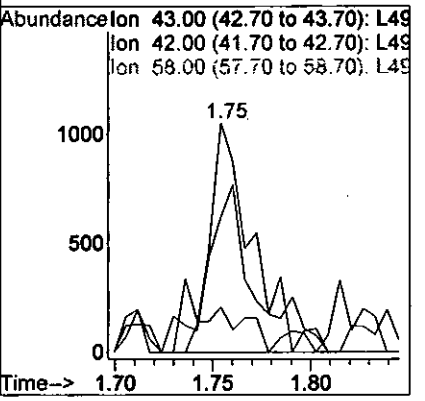


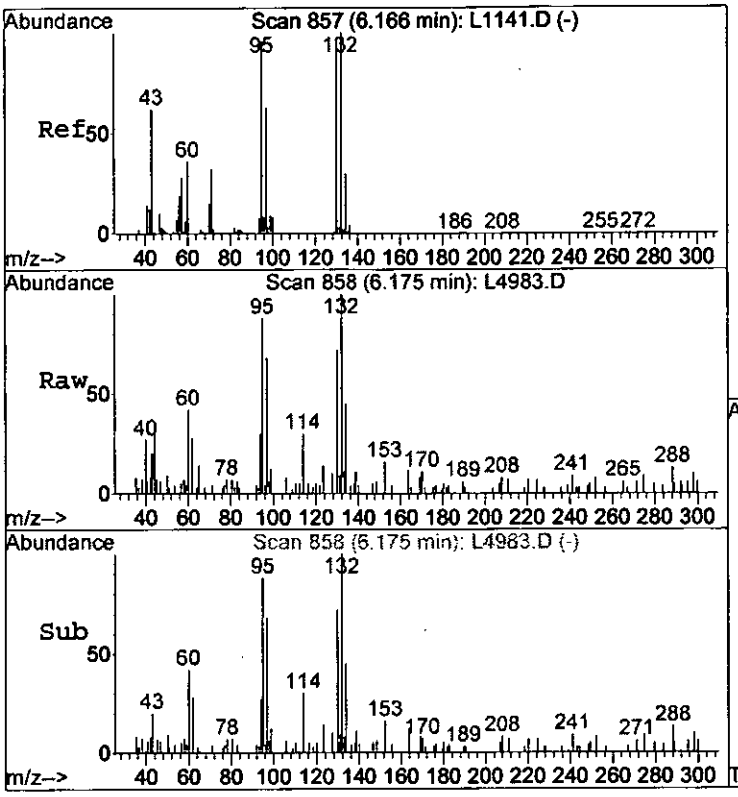


#7
Acetone
Concen: 0.98 ug/L m
RT: 1.75 min Scan# 131
Delta R.T. -0.00 min
Lab File: L4983.D
Acq: 21 May 2014 9:08 pm

Tgt Ion: 43 Resp: 1577

Ion	Ratio	Lower	Upper
43	100		
42	19.8	0.0	44.7
58	32.0	0.0	57.9

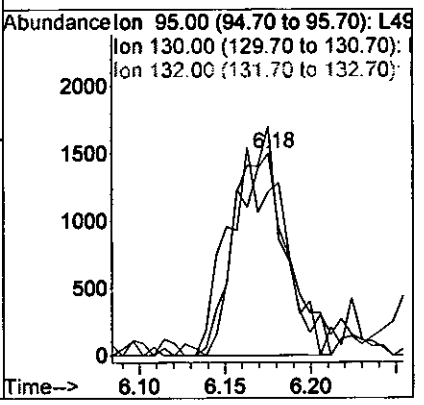




#24
Trichloroethene
Concen: 0.12 ug/L
RT: 6.18 min Scan# 858
Delta R.T. 0.02 min
Lab File: L4983.D
Acq: 21 May 2014 9:08 pm

Tgt Ion: 95 Resp: 3262

Ion	Ratio	Lower	Upper
95	100		
130	116.1	82.9	124.3
132	108.2	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D Vial: 21
Acq On : 21 May 2014 9:08 pm Operator: D.Lipani
Sample : R1403523-010|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

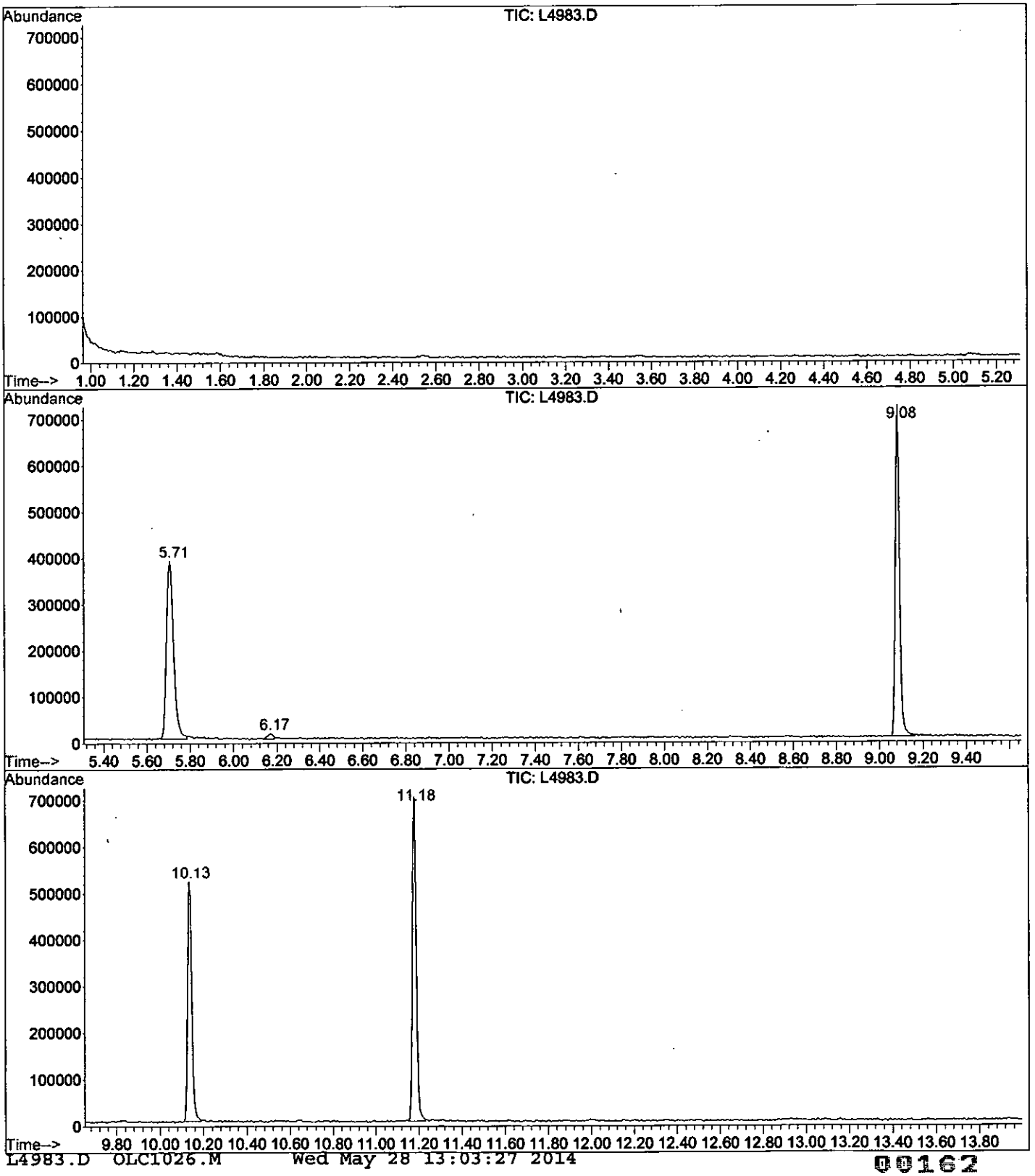
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.707	774	781	794	rBV	384944	880102	91.82%	25.846%
2	6.169	851	857	860	rBV4	12124	20371	2.13%	0.598%
3	9.082	1331	1336	1349	rBV	716675	958554	100.00%	28.149%
4	10.134	1505	1509	1518	rBV	513733	682662	71.22%	20.047%
5	11.180	1676	1681	1689	rBV	695035	863548	90.09%	25.359%

Sum of corrected areas: 3405237

L4983.D OLC1026.M Wed May 28 13:03:24 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D
Operator : D.Lipani
Acquired : 21 May 2014 9:08 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-010|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 21
Quant File :OLC1026.RES (RTE Integrator)



L4983.D OLC1026.M Wed May 28 13:03:27 2014

00162

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 9:08 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D
Name: R1403523-010|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4983.D OLC1026.M Wed May 28 13:03:27 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1445
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:44
Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.4**	**J**	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1445
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:44
Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 21:44	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2144

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D Vial: 22
Acq On : 21 May 2014 9:44 pm Operator: D.Lipani
Sample : R1403523-011|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 22:02 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	386848	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.09	117	318370	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	144427	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	122608	4.99	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.80%			
Target Compounds						Qvalue
7) Acetone	1.76	43	2164	1.35	ug/L	95

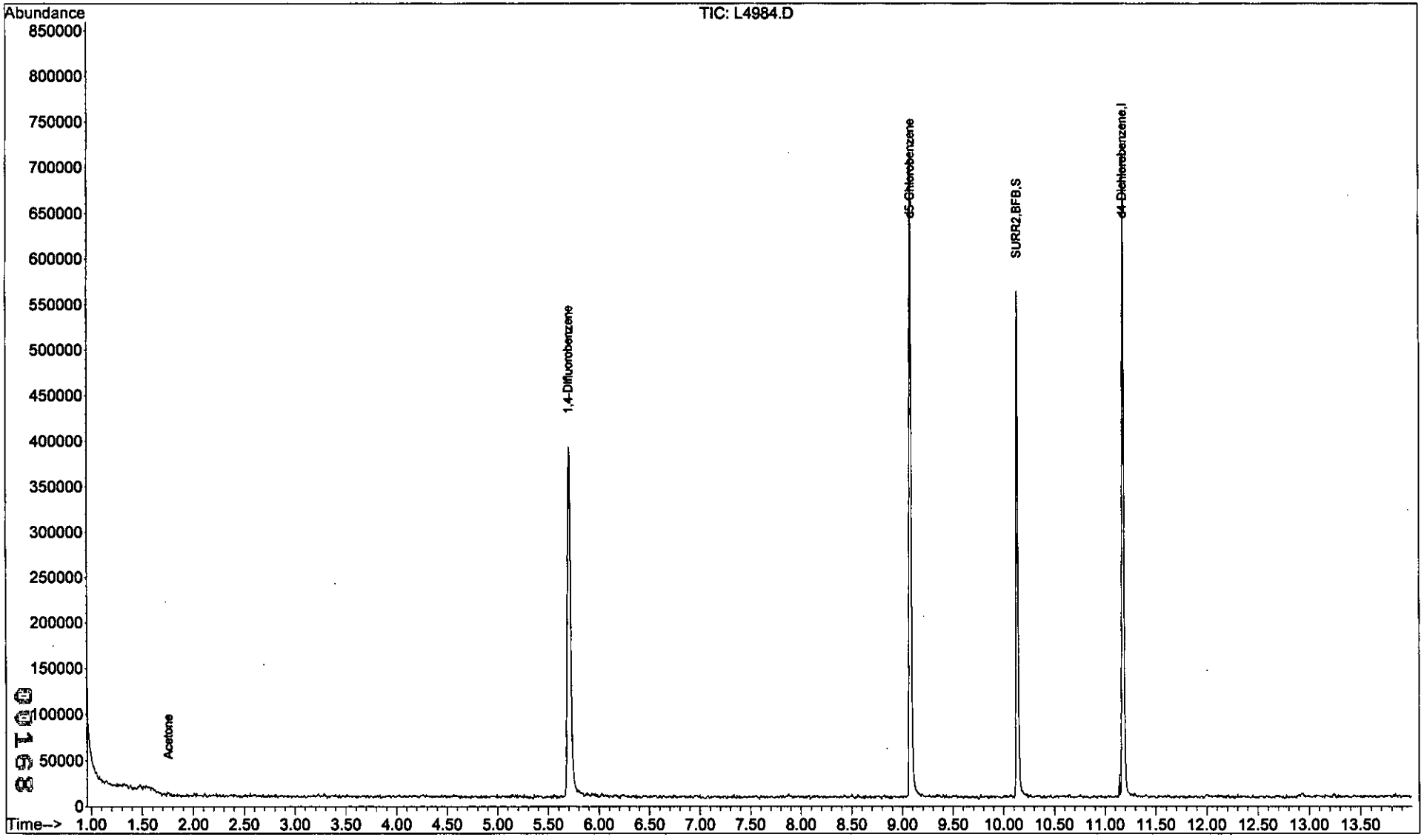
DL
5/28/14

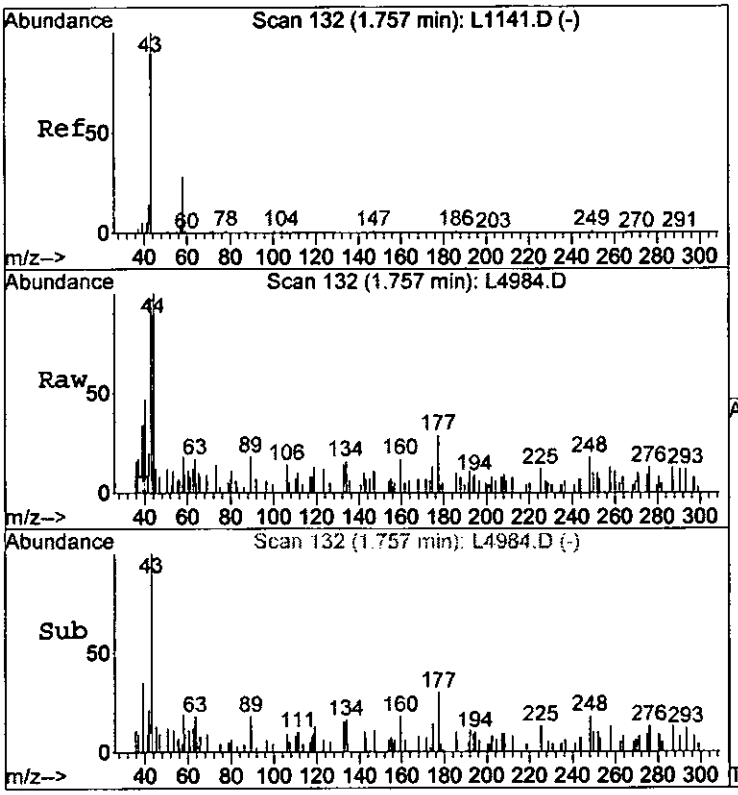
(#) = qualifier out of range (m) = manual integration
L4984.D OLC1026.M Wed May 21 22:02:38 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D Vial: 22
Acq On : 21 May 2014 9:44 pm Operator: D.Lipani
Sample : R1403523-011|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 22:02 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

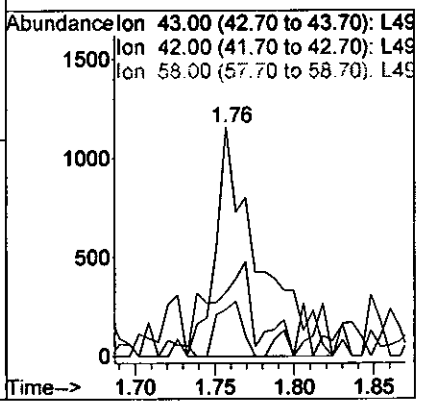




#7
Acetone
Concen: 1.35 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L4984.D
Acq: 21 May 2014 9:44 pm

Tgt Ion: 43 Resp: 2164

Ion	Ratio	Lower	Upper
43	100		
42	20.6	0.0	44.7
58	28.1	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D Vial: 22
Acq On : 21 May 2014 9:44 pm Operator: D.Lipani
Sample : R1403523-011|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

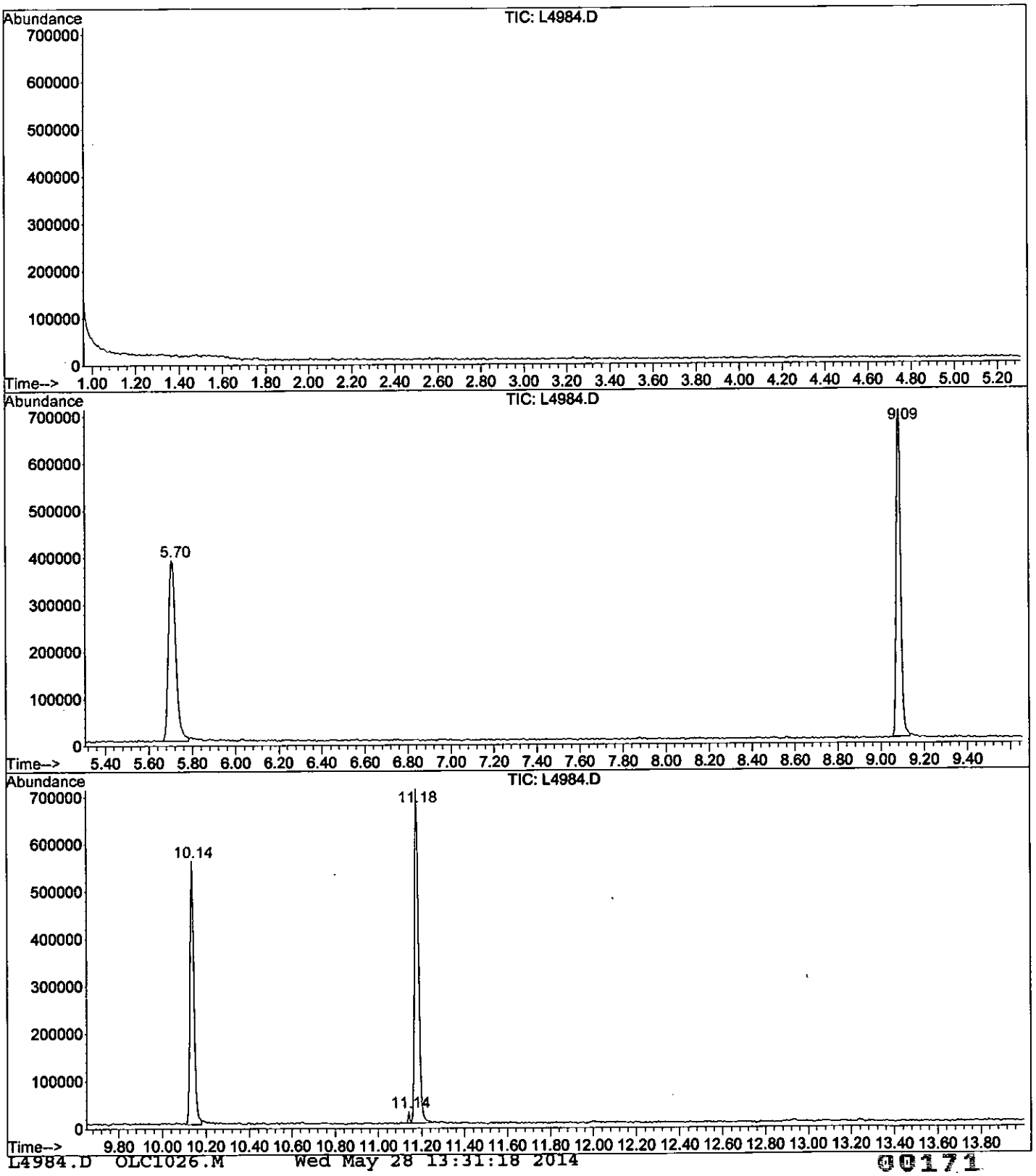
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.704	773	781	794	rBV	383497	881902	89.94%	25.536%
2	9.085	1332	1337	1345	rBV	696426	980503	100.00%	28.391%
3	10.137	1505	1510	1517	rBV	555534	691214	70.50%	20.015%
4	11.141	1673	1675	1677	rBV	24437	12103	1.23%	0.350%
5	11.177	1677	1681	1693	rVB	704943	887821	90.55%	25.708%

Sum of corrected areas: 3453543

L4984.D OLC1026.M Wed May 28 13:31:14 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D
Operator : D.Lipani
Acquired : 21 May 2014 9:44 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-011|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 22
Quant File :OLC1026.RES (RTE Integrator)



L4984.D OLC1026.M Wed May 28 13:31:18 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 9:44 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D
Name: R1403523-011|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4984.D OLC1026.M Wed May 28 13:31:18 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 06:05
Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1403523-012	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 06:05
Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1403523-012	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	0.16	J	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 06:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 0605

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1403523-012	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D Vial: 35
Acq On : 22 May 2014 6:05 am Operator: D.Lipani
Sample : R1403523-012|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:50 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	394772	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	330276	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	148767	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	123920	4.61	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 92.20%				
Target Compounds							Qvalue
7) Acetone	1.76	43	1248	0.67	ug/L		61 LT
9) Methylene Chloride	2.07	84	3522	0.16	ug/L	#	87

DL
5/28/14

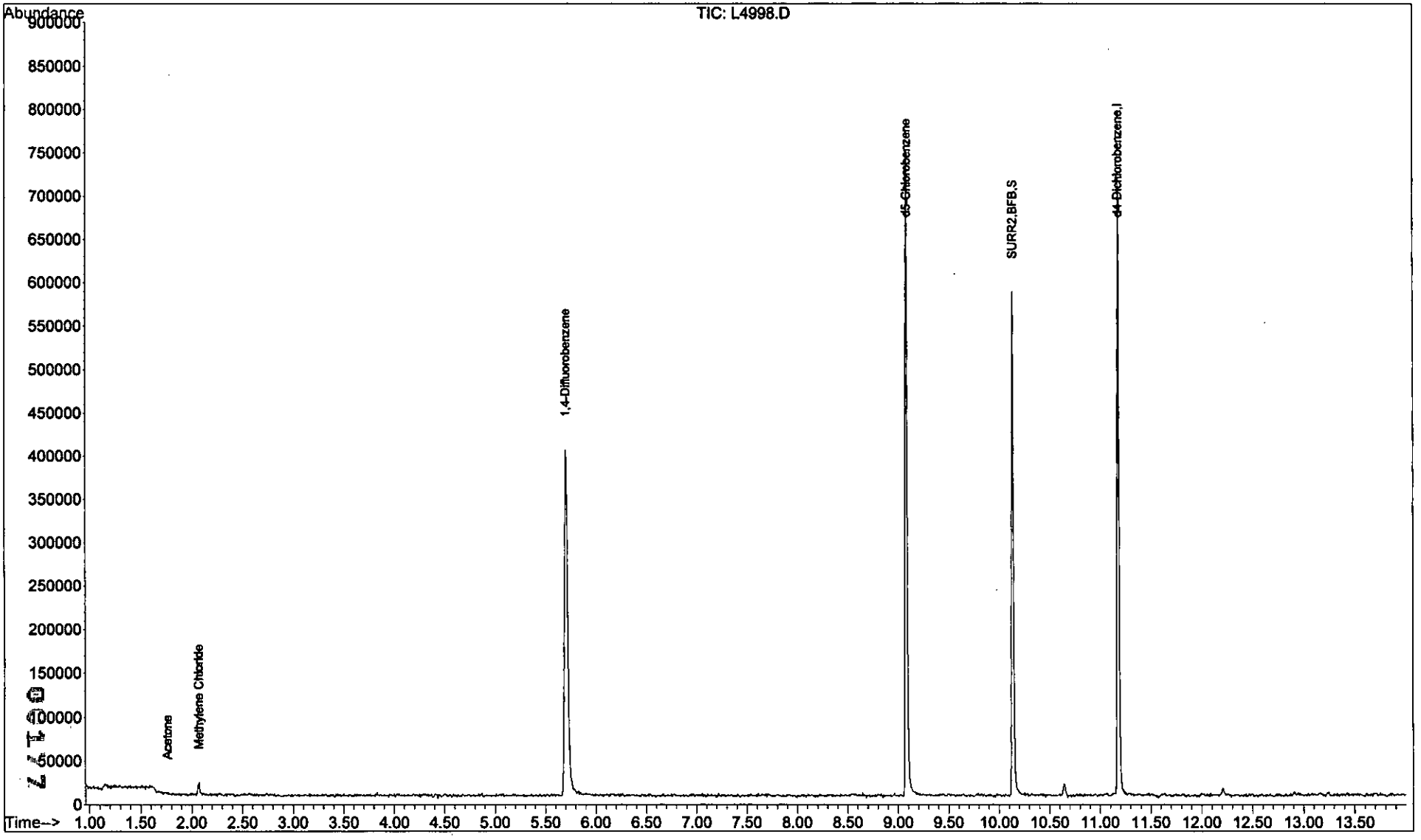
(#) = qualifier out of range (m) = manual integration
L4998.D OLC1026.M Thu May 22 07:50:21 2014

00176

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D Vial: 35
Acq On : 22 May 2014 6:05 am Operator: D.Lipani
Sample : R1403523-012|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:50 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D Vial: 35
Acq On : 22 May 2014 6:05 am Operator: D.Lipani
Sample : R1403523-012|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

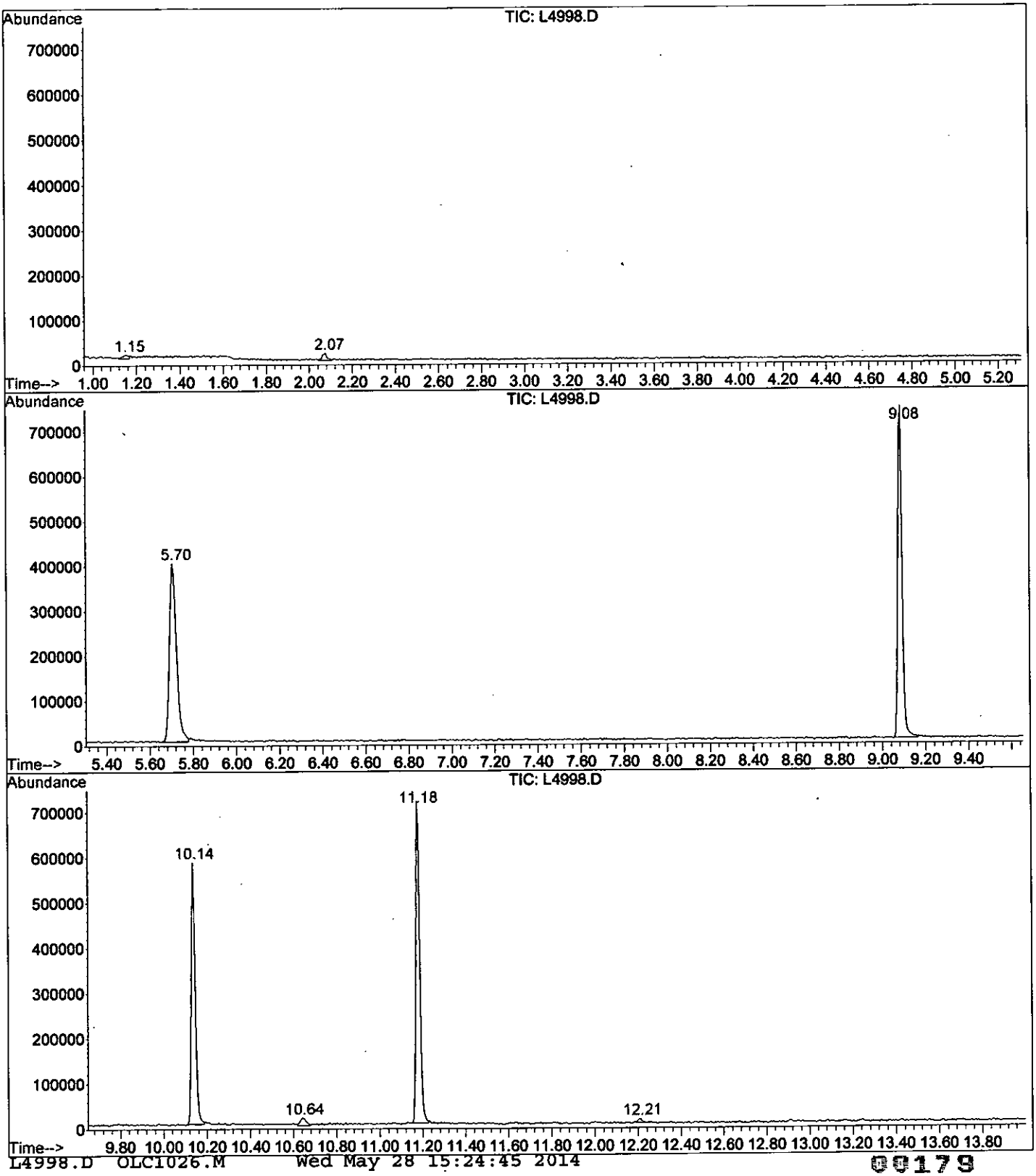
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	27	32	35	rBV7	7976	15622	1.53%	0.434%
2	2.073	179	184	189	rBV3	15860	23953	2.35%	0.666%
3	5.703	773	781	793	rBV	397417	897387	88.13%	24.952%
4	9.085	1332	1337	1350	rBV	740098	1018303	100.00%	28.314%
5	10.137	1506	1510	1518	rBV	578586	697956	68.54%	19.407%
6	10.641	1589	1593	1599	rVB5	16426	30707	3.02%	0.854%
7	11.177	1677	1681	1689	rBV	710108	900371	88.42%	25.035%
8	12.210	1848	1851	1856	rVB4	9075	12123	1.19%	0.337%

Sum of corrected areas: 3596422

L4998.D OLC1026.M Wed May 28 15:24:39 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D
Operator : D.Lipani
Acquired : 22 May 2014 6:05 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-012|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 35
Quant File :OLC1026.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 6:05 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D
Name: R1403523-012|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4998.D OLC1026.M Wed May 28 15:24:45 2014

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/14/14
Date Analyzed: 5/22/14 23:58

Sample Name: COOLER BLANK
Lab Code: R1403523-013

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D\

Analysis Lot: 393854
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 23:58
Sample Name:	COOLER BLANK	**Units:**	µg/L
Lab Code:	R1403523-013	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 23:58	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 2358

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	COOLER BLANK	**Units:**	µg/L
Lab Code:	R1403523-013	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D Vial: 19
Acq On : 22 May 2014 11:58 pm Operator: D.Lipani
Sample : R1403523-013|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 23 0:17 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	367651	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	313130	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	139852	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	120695	4.61	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 92.20%			
Target Compounds						Qvalue
7) Acetone	1.76	43	951	0.52	ug/L	55 LT

DL 5/23/14

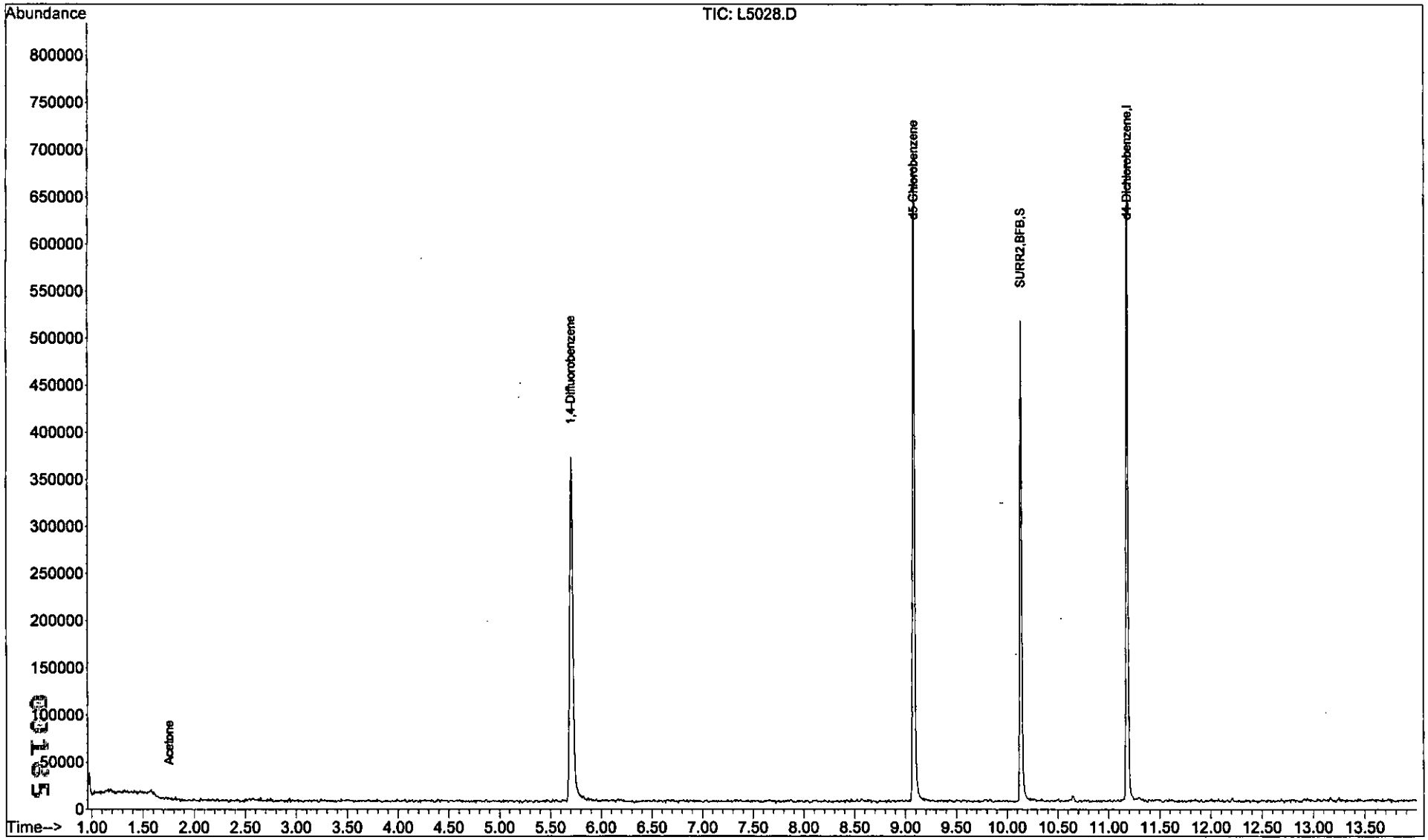
(#) = qualifier out of range (m) = manual integration
L5028.D OLC1026.M Fri May 23 00:17:07 2014

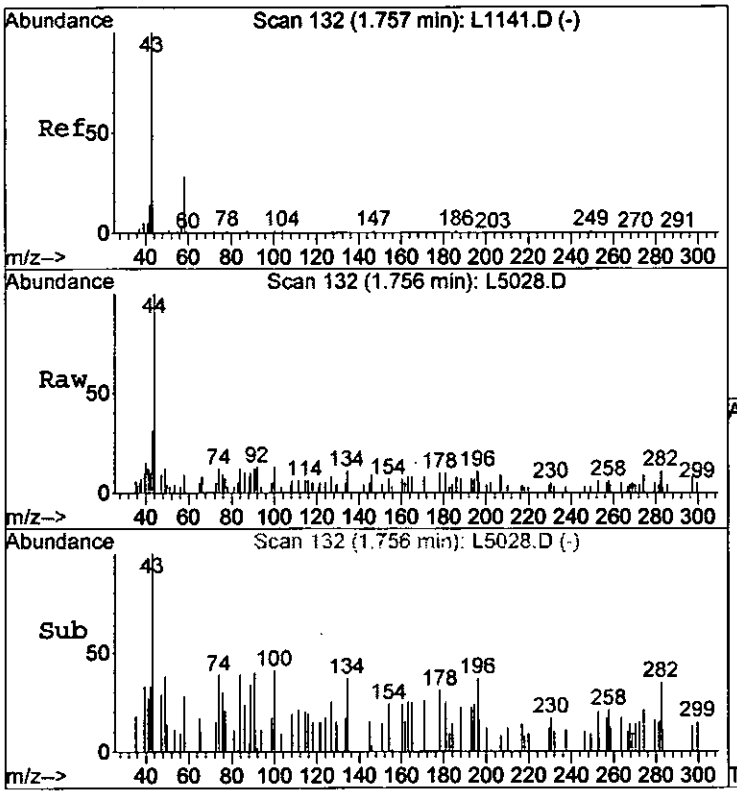
00184

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D Vial: 19
Acq On : 22 May 2014 11:58 pm Operator: D.Lipani
Sample : R1403523-013|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 23 0:17 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D

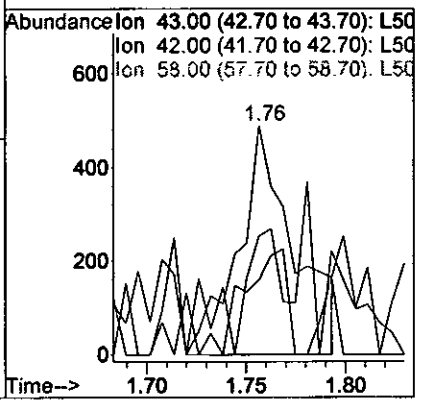




#7
Acetone
Concen: 0.52 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.01 min
Lab File: L5028.D
Acq: 22 May 2014 11:58 pm

Tgt Ion: 43 Resp: 951

Ion	Ratio	Lower	Upper
43	100		
42	32.7	0.0	44.7
58	51.9	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D Vial: 19
Acq On : 22 May 2014 11:58 pm Operator: D.Lipani
Sample : R1403523-013|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

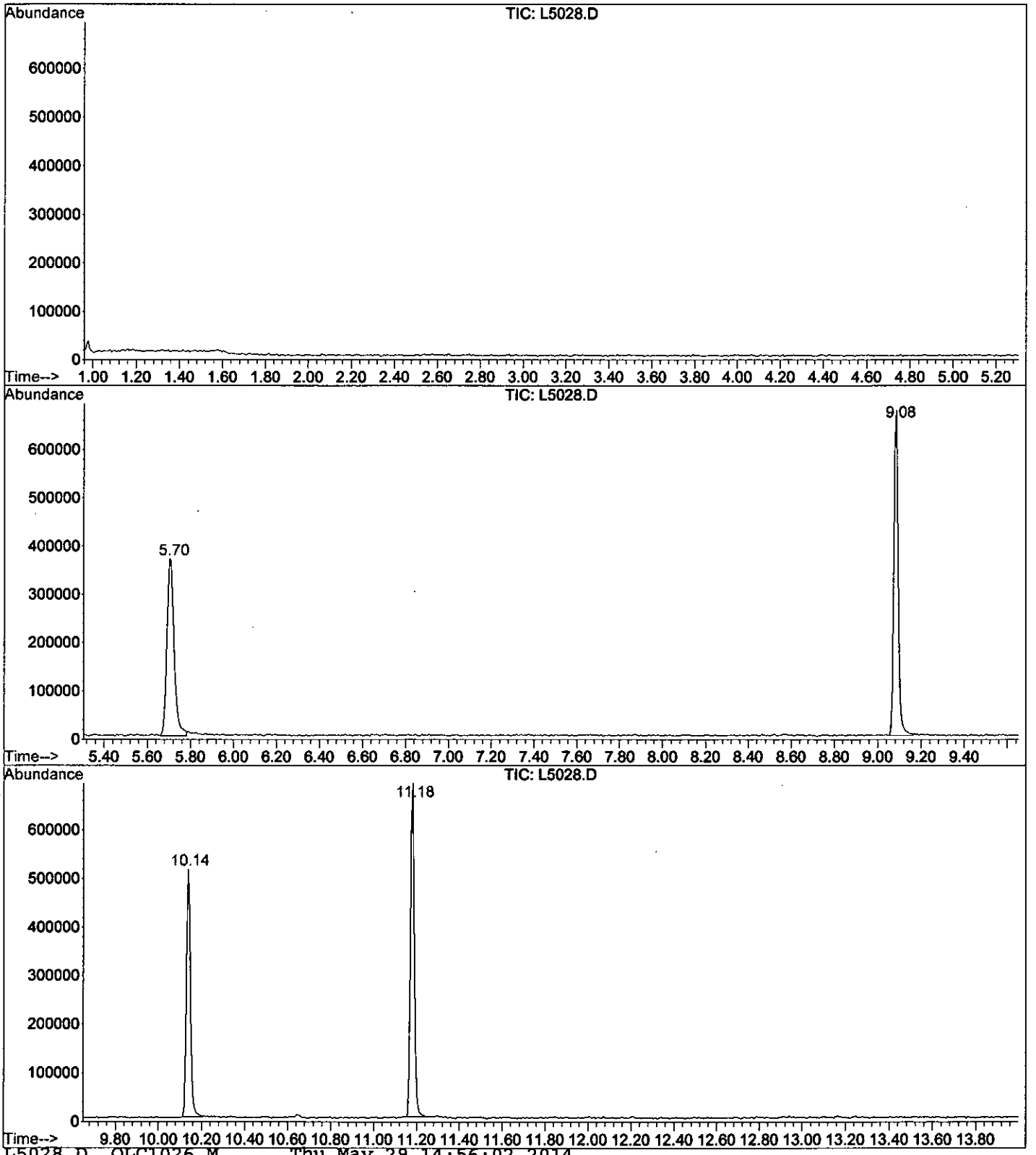
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.703	774	781	794	rBV	366346	838678	89.48%	25.541%
2	9.084	1331	1337	1350	rBV	673776	937232	100.00%	28.542%
3	10.137	1506	1510	1521	rBV	509508	661033	70.53%	20.131%
4	11.183	1677	1682	1693	rBV	685145	846758	90.35%	25.787%

Sum of corrected areas: 3283701

L5028.D OLC1026.M Thu May 29 14:55:58 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D
Operator : D.Lipani
Acquired : 22 May 2014 11:58 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-013|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 19
Quant File :OLC1026.RES (RTE Integrator)



L5028.D OLC1026.M Thu May 29 14:56:02 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 11:58 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D
Name: R1403523-013|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5028.D OLC1026.M Thu May 29 14:56:02 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 0845
Date Received: 5/15/14
Date Analyzed: 5/22/14 06:41

Sample Name: 10S
Lab Code: R1403523-014

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**3.8**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**1.1**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.48**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0845
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 06:41
Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	80-120	5/22/14 06:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0641

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D Vial: 36
Acq On : 22 May 2014 6:41 am Operator: D.Lipani
Sample : R1403523-014|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:50 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	395810	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	324134	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	143914	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	120447	4.47	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 89.40%				
Target Compounds							Qvalue
7) Acetone	1.76	43	7080	3.79	ug/L		94
16) Chloroform	3.54	83	21146	0.48	ug/L	#	81
21) Carbontetrachloride	5.08	117	36147	1.08	ug/L		97
~~46) 1,2-Dibromo-3-chloropropan~~	~~11.82~~	~~75~~	~~169~~	~~0.11~~	~~ug/L~~	~~#~~	~~36~~

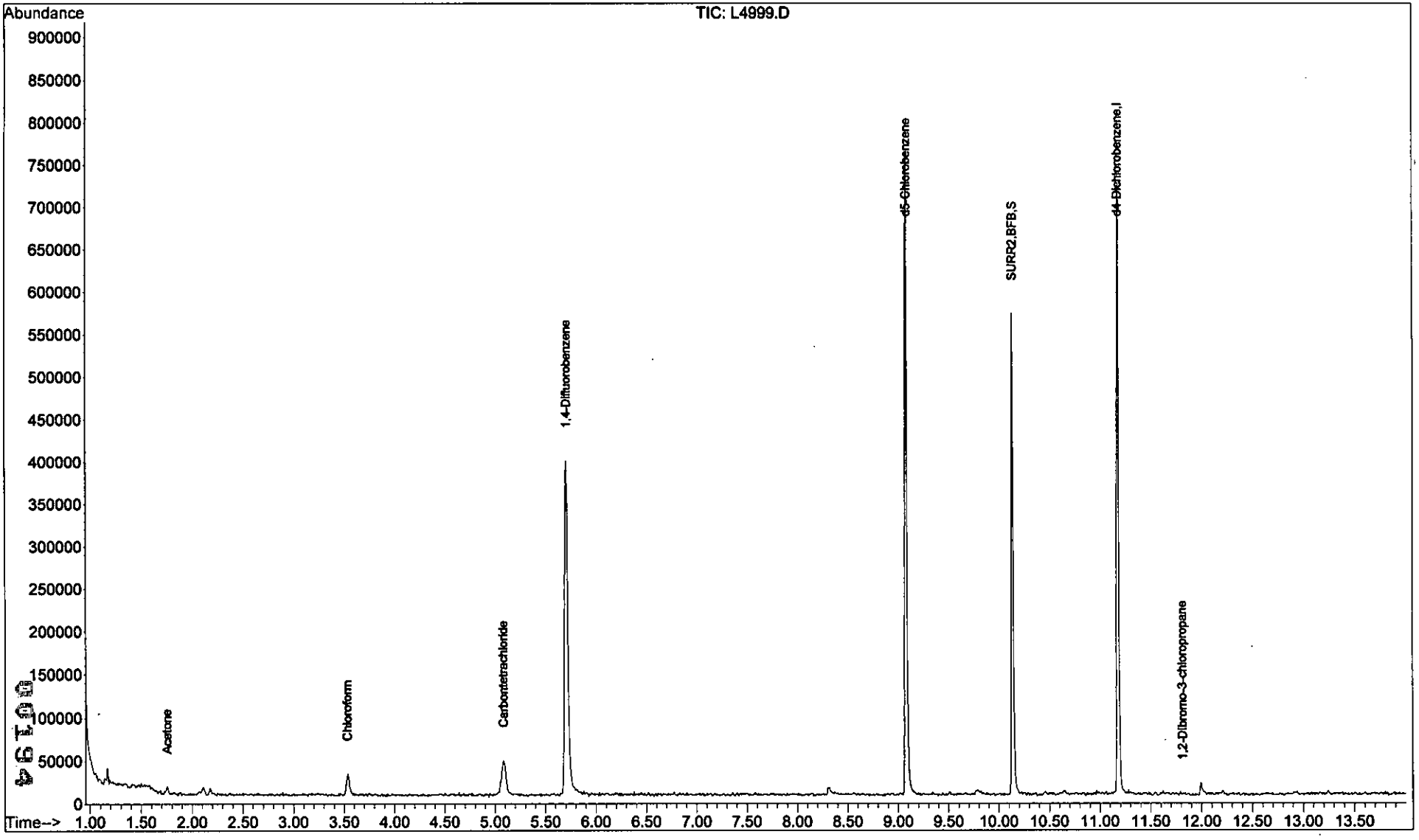
DL 5/28/14

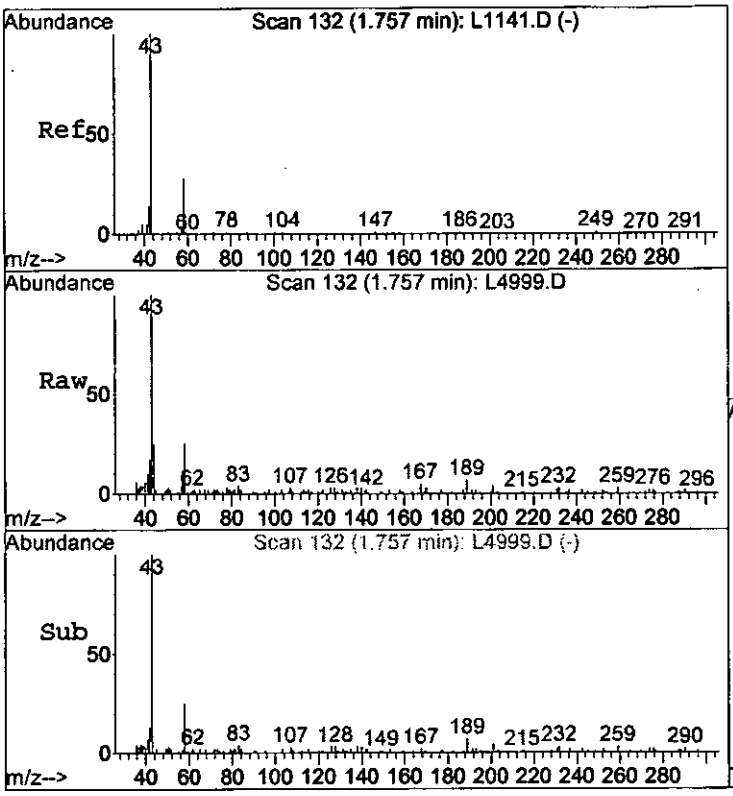
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D Vial: 36
Acq On : 22 May 2014 6:41 am Operator: D.Lipani
Sample : R1403523-014|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:50 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

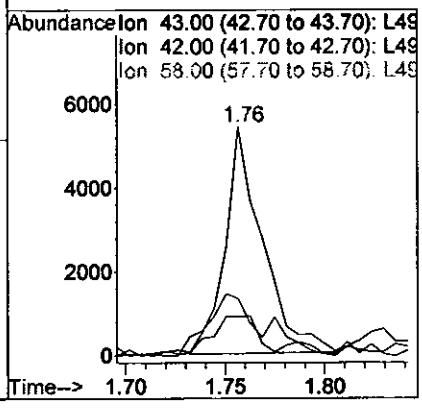


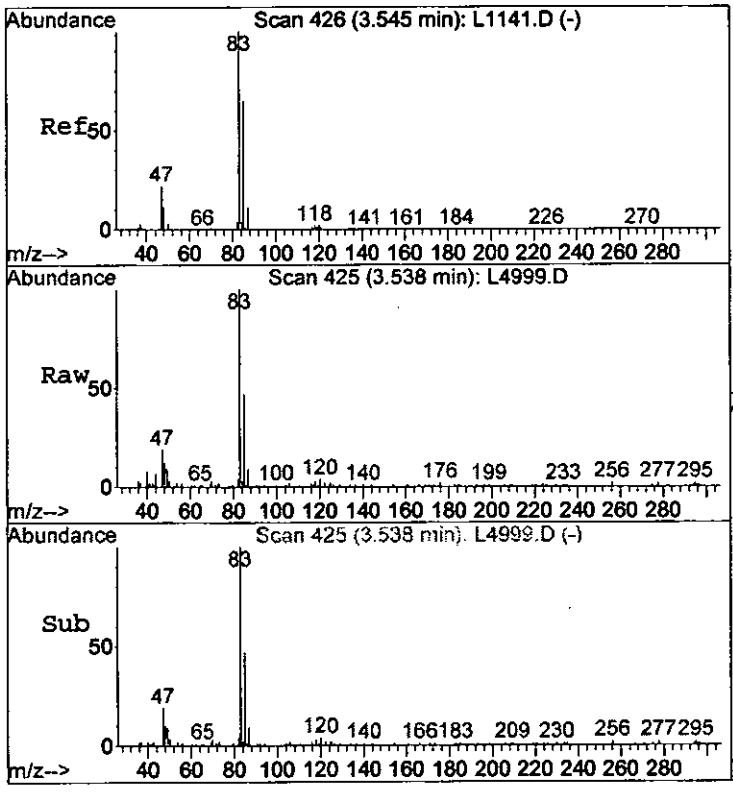


#7
Acetone
Concen: 3.79 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L4999.D
Acq: 22 May 2014 6:41 am

Tgt Ion: 43 Resp: 7080

Ion	Ratio	Lower	Upper
43	100		
42	17.2	0.0	44.7
58	25.1	0.0	57.9

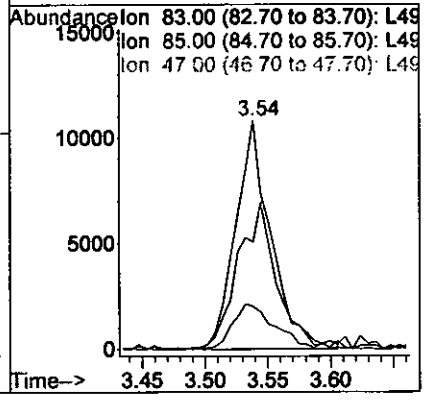


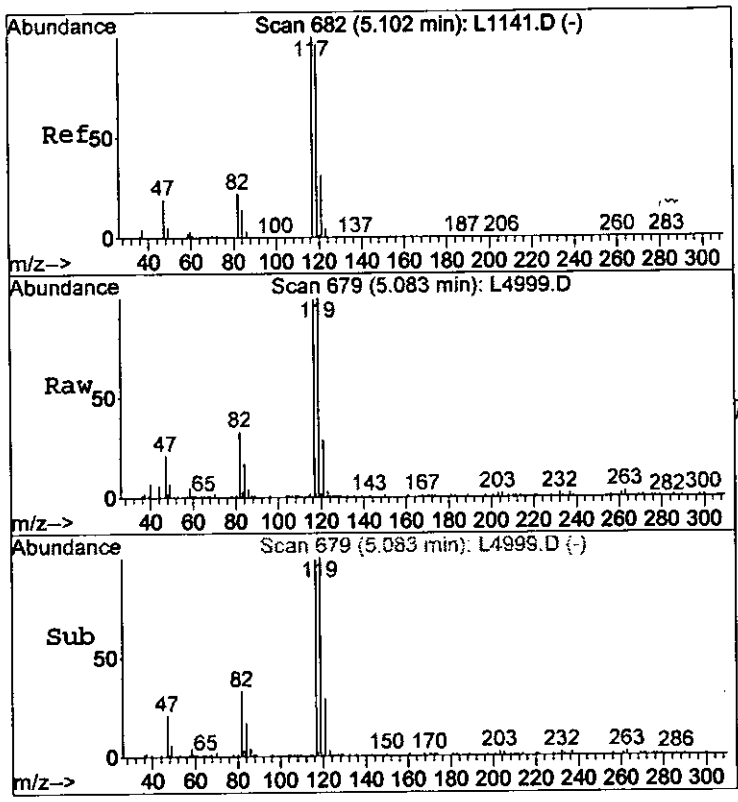


#16
Chloroform
Concen: 0.48 ug/L
RT: 3.54 min Scan# 425
Delta R.T. 0.01 min
Lab File: L4999.D
Acq: 22 May 2014 6:41 am

Tgt Ion: 83 Resp: 21146

Ion	Ratio	Lower	Upper
83	100		
85	46.7	51.7	77.5#
47	18.6	18.9	28.3#

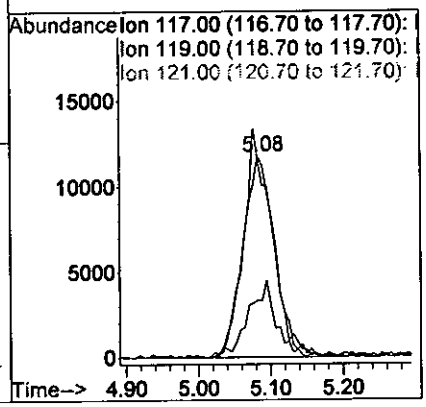




#21
Carbontetrachloride
Concen: 1.08 ug/L
RT: 5.08 min Scan# 679
Delta R.T. 0.00 min
Lab File: L4999.D
Acq: 22 May 2014 6:41 am

Tgt Ion:117 Resp: 36147

Ion	Ratio	Lower	Upper
117	100		
119	98.9	76.8	115.2
121	28.6	24.4	36.6



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D Vial: 36
Acq On : 22 May 2014 6:41 am Operator: D.Lipani
Sample : R1403523-014|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

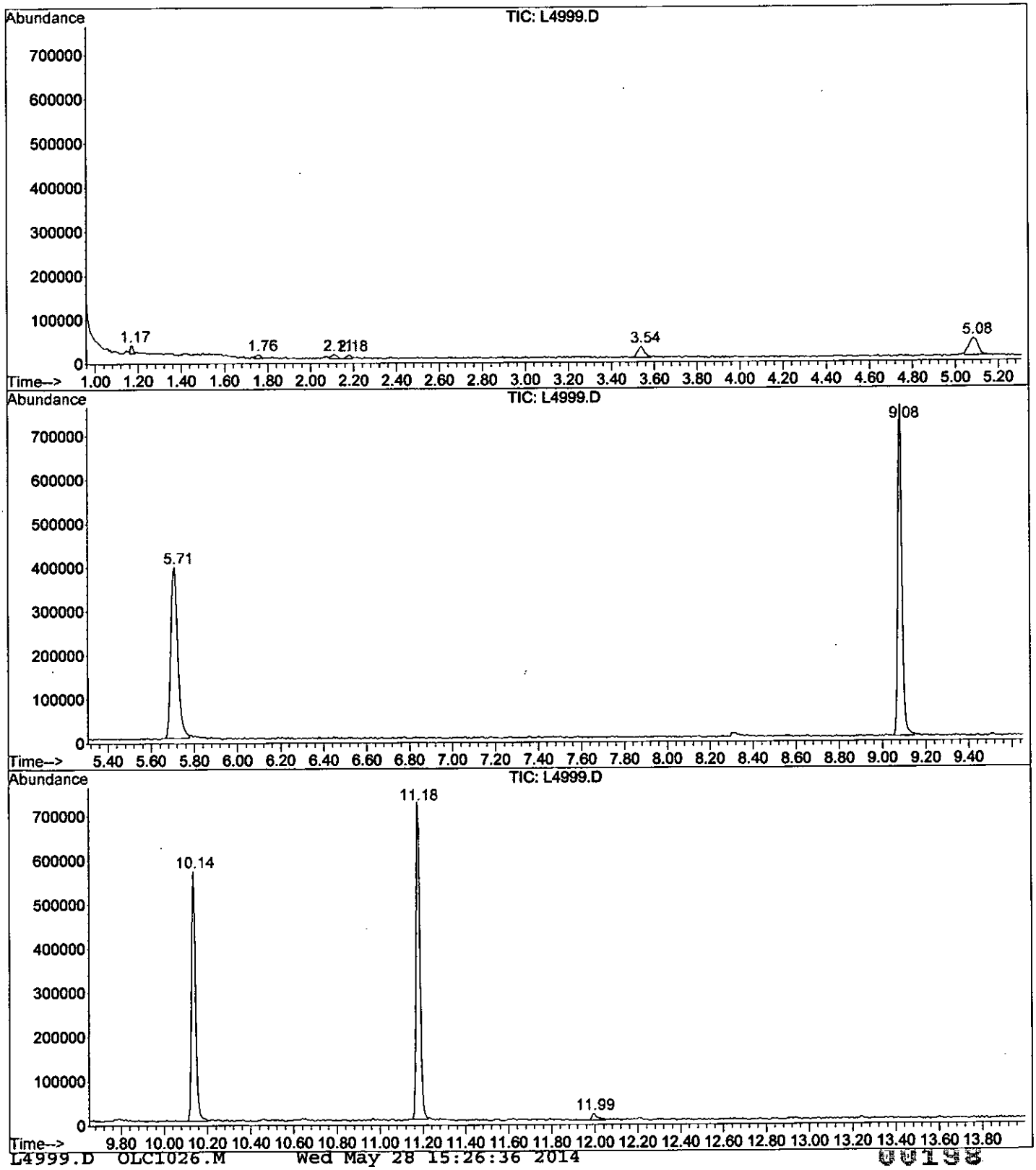
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.167	34	35	38	rVB	18737	15732	1.56%	0.417%
2	1.757	128	132	136	rVB2	8361	12278	1.21%	0.325%
3	2.109	186	190	196	rVB5	9477	17663	1.75%	0.468%
4	2.176	196	201	204	rBV2	8486	12355	1.22%	0.327%
5	3.538	417	425	433	rBV3	25499	57209	5.66%	1.516%
6	5.083	672	679	691	rVB3	39068	115584	11.43%	3.062%
7	5.709	775	782	793	rBV	389309	888992	87.94%	23.551%
8	9.085	1331	1337	1347	rBV	754851	1010891	100.00%	26.780%
9	10.137	1504	1510	1521	rBV	564843	724506	71.67%	19.193%
10	11.177	1677	1681	1689	rBV	715460	890952	88.14%	23.602%
11	11.991	1812	1815	1824	rBV9	14835	28662	2.84%	0.759%

Sum of corrected areas: 3774824

L4999.D OLC1026.M Wed May 28 15:26:31 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D
Operator : D.Lipani
Acquired : 22 May 2014 6:41 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-014|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 36
Quant File :OLC1026.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 6:41 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D
Name: R1403523-014|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4999.D OLC1026.M Wed May 28 15:26:36 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 0930
Date Received: 5/15/14
Date Analyzed: 5/22/14 07:17

Sample Name: M-28S
Lab Code: R1403523-015

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**2.6**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**2.4**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.19**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0930
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 07:17
Sample Name:	M-28S	**Units:**	µg/L
Lab Code:	R1403523-015	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**4.4**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	80-120	5/22/14 07:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0717

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-28S	**Units:**	µg/L
Lab Code:	R1403523-015	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D Vial: 37
Acq On : 22 May 2014 7:17 am Operator: D.Lipani
Sample : R1403523-015|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:50 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	394144	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	330630	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	141694	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	126394	4.71	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 94.20%			
Target Compounds						Qvalue
7) Acetone	1.76	43	4836	2.60	ug/L	89
16) Chloroform	3.55	83	8232	0.19	ug/L	97
21) Carbontetrachloride	5.08	117	80967	2.38	ug/L	96
24) Trichloroethene	6.16	95	121391	4.40	ug/L	93

DL
5/28/14

GW 05/29/14

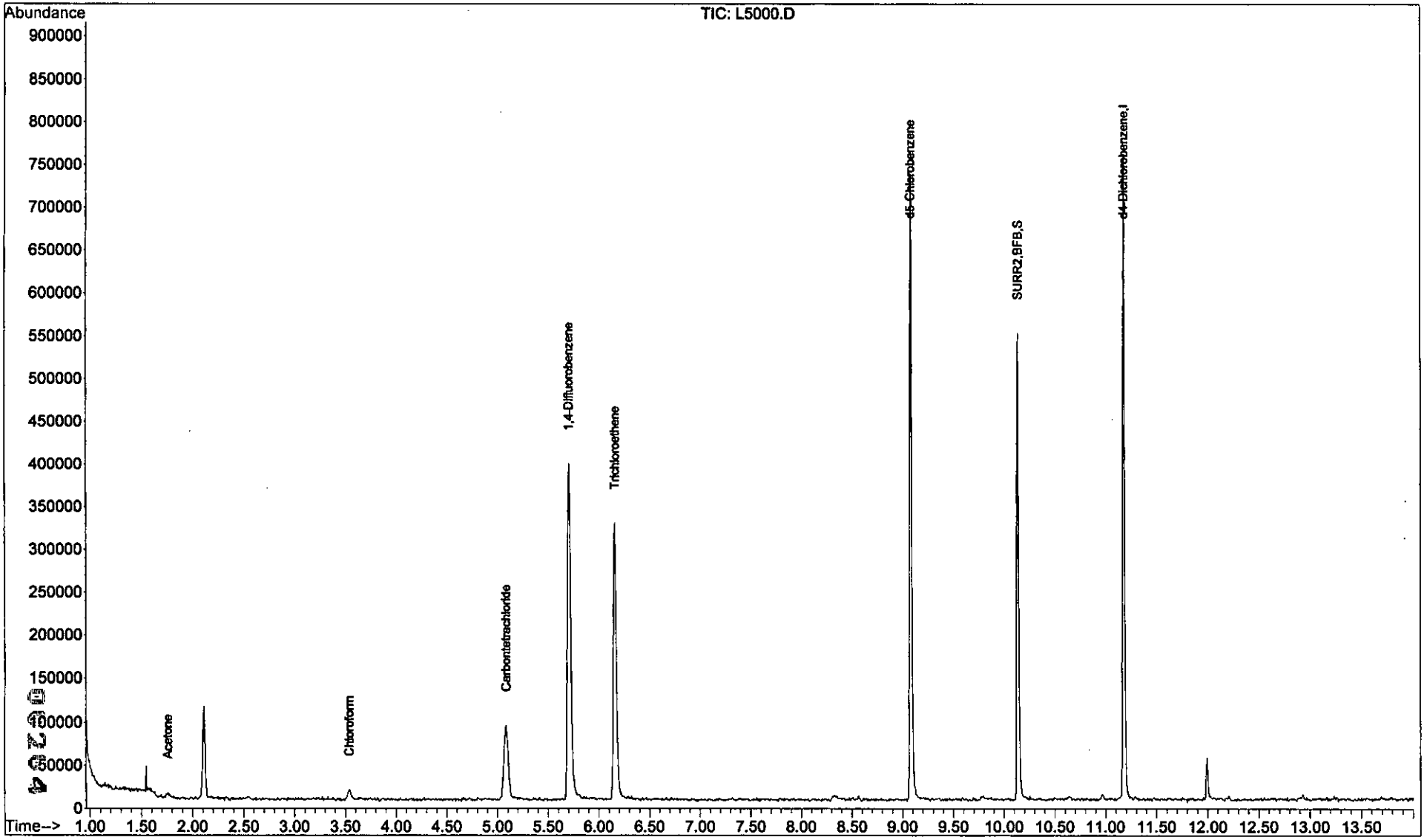
(#) = qualifier out of range (m) = manual integration
L5000.D OLC1026.M Thu May 22 07:50:42 2014

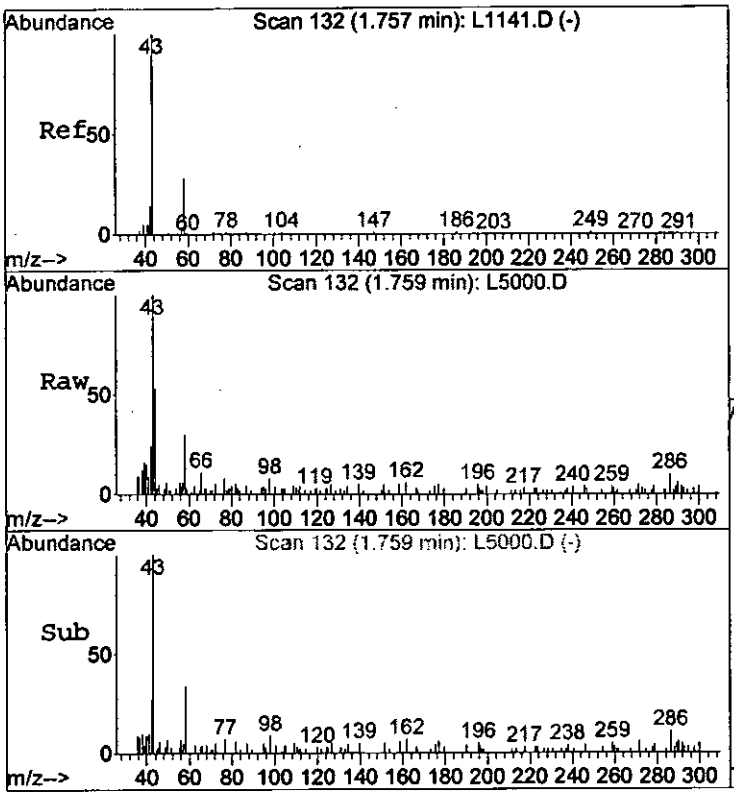
00203

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D Vial: 37
Acq On : 22 May 2014 7:17 am Operator: D.Lipani
Sample : R1403523-015|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:50 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

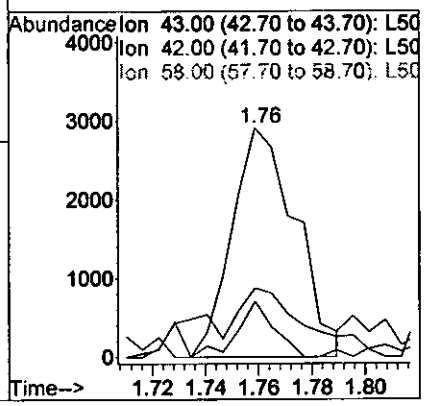


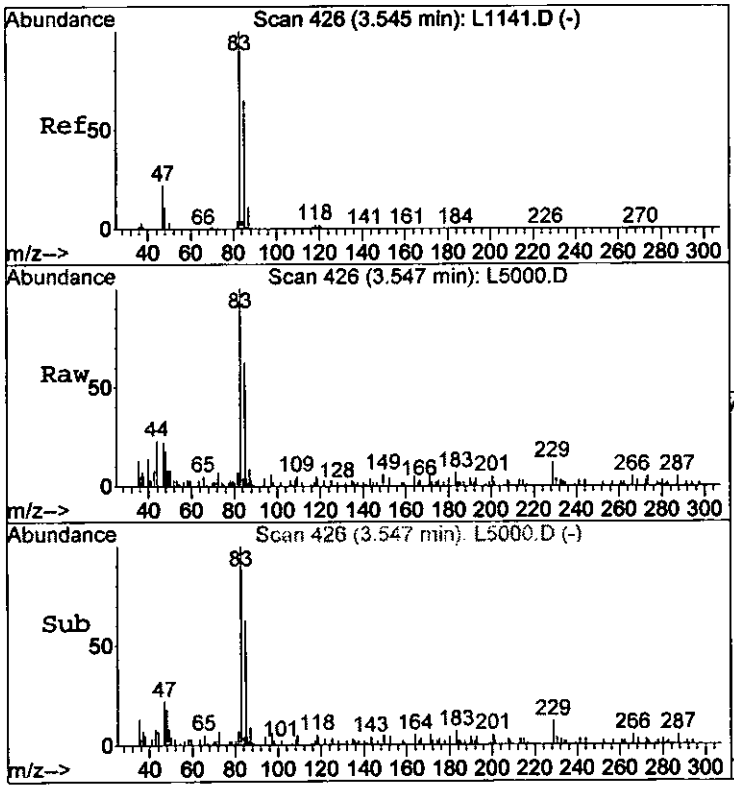


#7
Acetone
Concen: 2.60 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L5000.D
Acq: 22 May 2014 7:17 am

Tgt Ion: 43 Resp: 4836

Ion	Ratio	Lower	Upper
43	100		
42	24.2	0.0	44.7
58	30.0	0.0	57.9

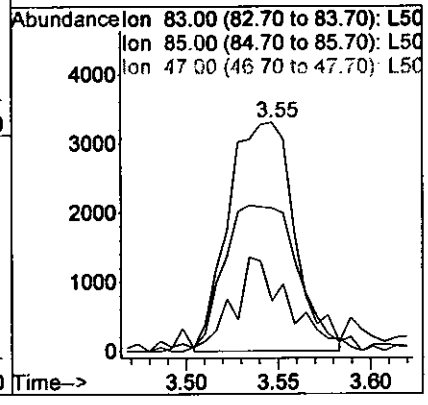


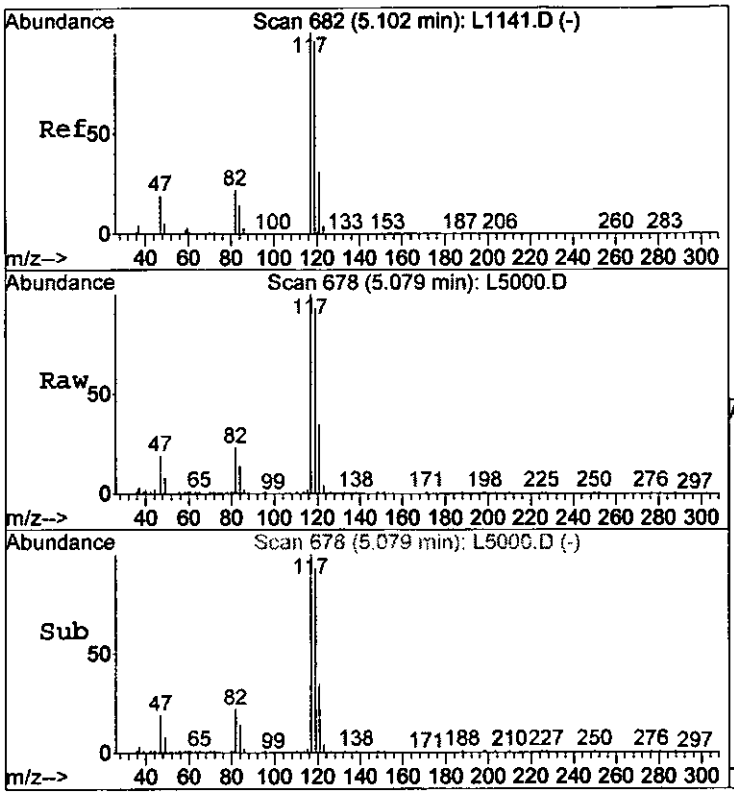


#16
Chloroform
Concen: 0.19 ug/L
RT: 3.55 min Scan# 426
Delta R.T. 0.01 min
Lab File: L5000.D
Acq: 22 May 2014 7:17 am

Tgt Ion: 83 Resp: 8232

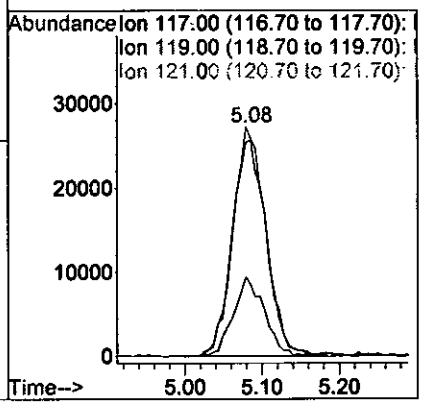
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.7	77.5
47	21.9	18.9	28.3

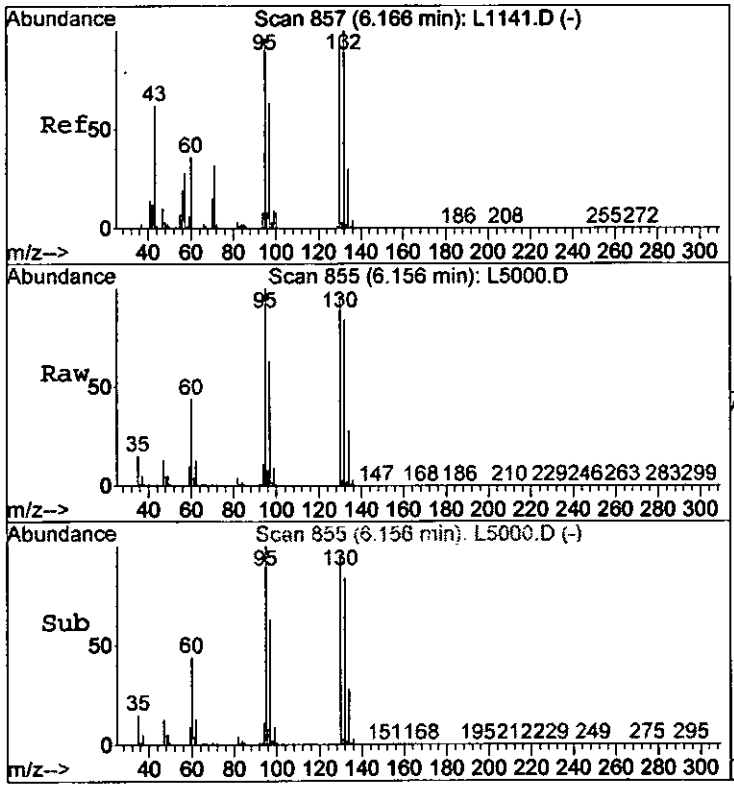




#21
Carbontetrachloride
Concen: 2.38 ug/L
RT: 5.08 min Scan# 678
Delta R.T. -0.00 min
Lab File: L5000.D
Acq: 22 May 2014 7:17 am

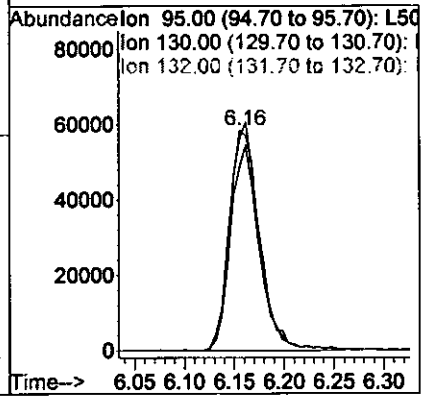
Tgt Ion:117	Resp:	80967	
Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.8	115.2
121	34.7	24.4	36.6





#24
Trichloroethene
Concen: 4.40 ug/L
RT: 6.16 min Scan# 855
Delta R.T. 0.00 min
Lab File: L5000.D
Acq: 22 May 2014 7:17 am

Tgt Ion: 95	Resp:	121391	
Ion	Ratio	Lower	Upper
95	100		
130	101.8	82.9	124.3
132	90.7	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D Vial: 37
Acq On : 22 May 2014 7:17 am Operator: D.Lipani
Sample : R1403523-015|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

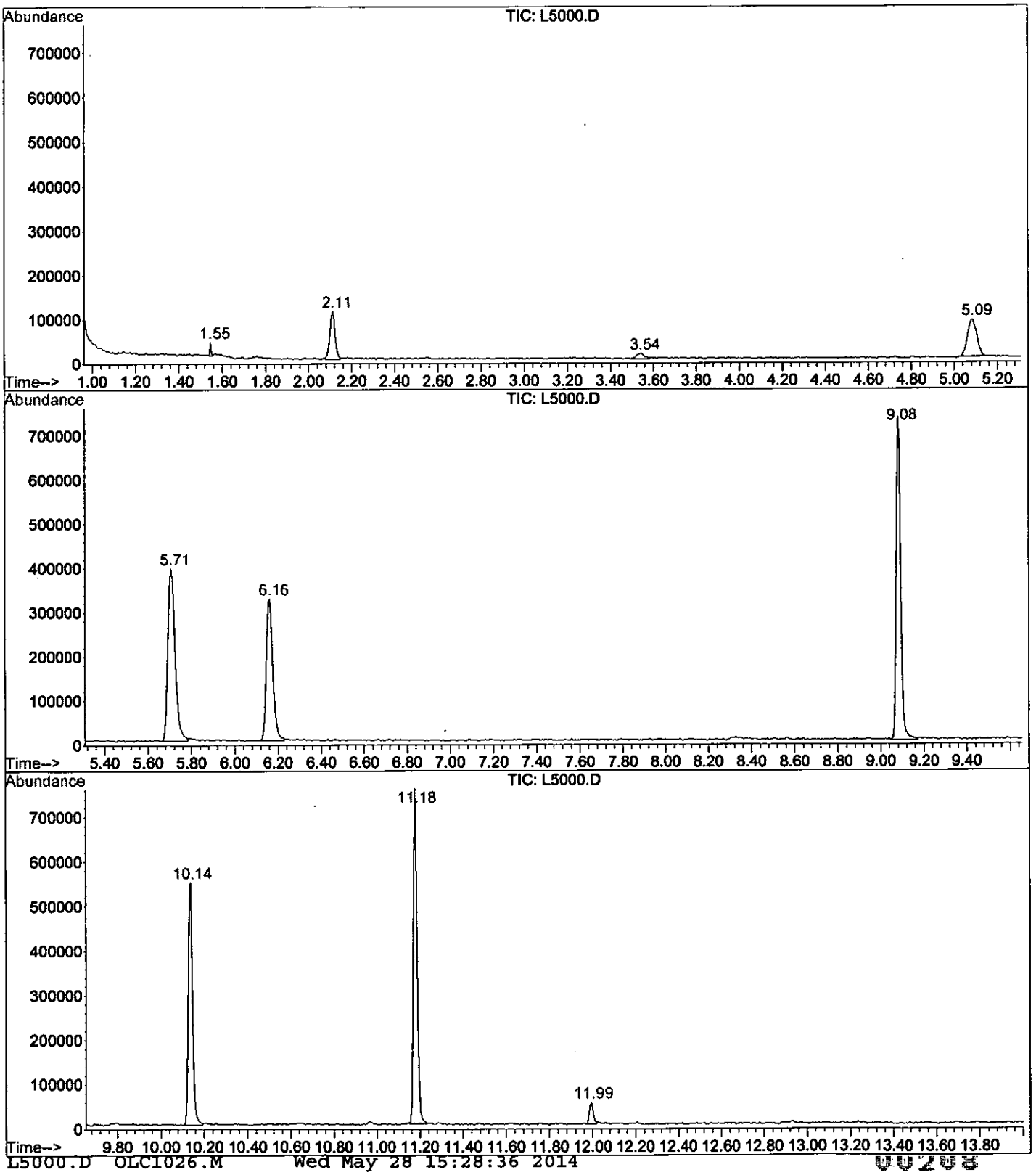
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.546	96	97	99	rBV	30465	12694	1.22%	0.266%
2	2.112	180	190	196	rBV2	108340	186712	17.96%	3.910%
3	3.541	417	425	432	rBV5	12811	34075	3.28%	0.714%
4	5.085	670	679	690	rVB	84189	244478	23.51%	5.120%
5	5.706	773	781	794	rBV	389944	899826	86.55%	18.846%
6	6.162	848	856	867	rBV2	320769	665827	64.04%	13.945%
7	9.081	1330	1336	1351	rBV	731315	1039692	100.00%	21.775%
8	10.139	1504	1510	1519	rBV	543445	720343	69.28%	15.087%
9	11.179	1676	1681	1690	rVB	750618	910175	87.54%	19.063%
10	11.994	1811	1815	1819	rBV2	48839	60826	5.85%	1.274%

Sum of corrected areas: 4774648

L5000.D OLC1026.M Wed May 28 15:28:32 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D
Operator : D.Lipani
Acquired : 22 May 2014 7:17 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-015|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 37
Quant File :OLC1026.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 7:17 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D
Name: R1403523-015|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5000.D OLC1026.M Wed May 28 15:28:36 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1015
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 07:52
Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.1**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**6.2**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.49**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1015
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 07:52
Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**1.6**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	80-120	5/22/14 07:52	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0752

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D Vial: 38
Acq On : 22 May 2014 7:52 am Operator: D.Lipani
Sample : R1403523-016|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 8:11 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	392535	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	327279	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	144436	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	127189	4.76	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 95.20%				
Target Compounds							Qvalue
7) Acetone	1.75	43	2117	1.14	ug/L		92
16) Chloroform	3.54	83	21461	0.49	ug/L	#	90
21) Carbontetrachloride	5.08	117	208093	6.17	ug/L		94
24) Trichloroethene	6.16	95	44586	1.63	ug/L		98

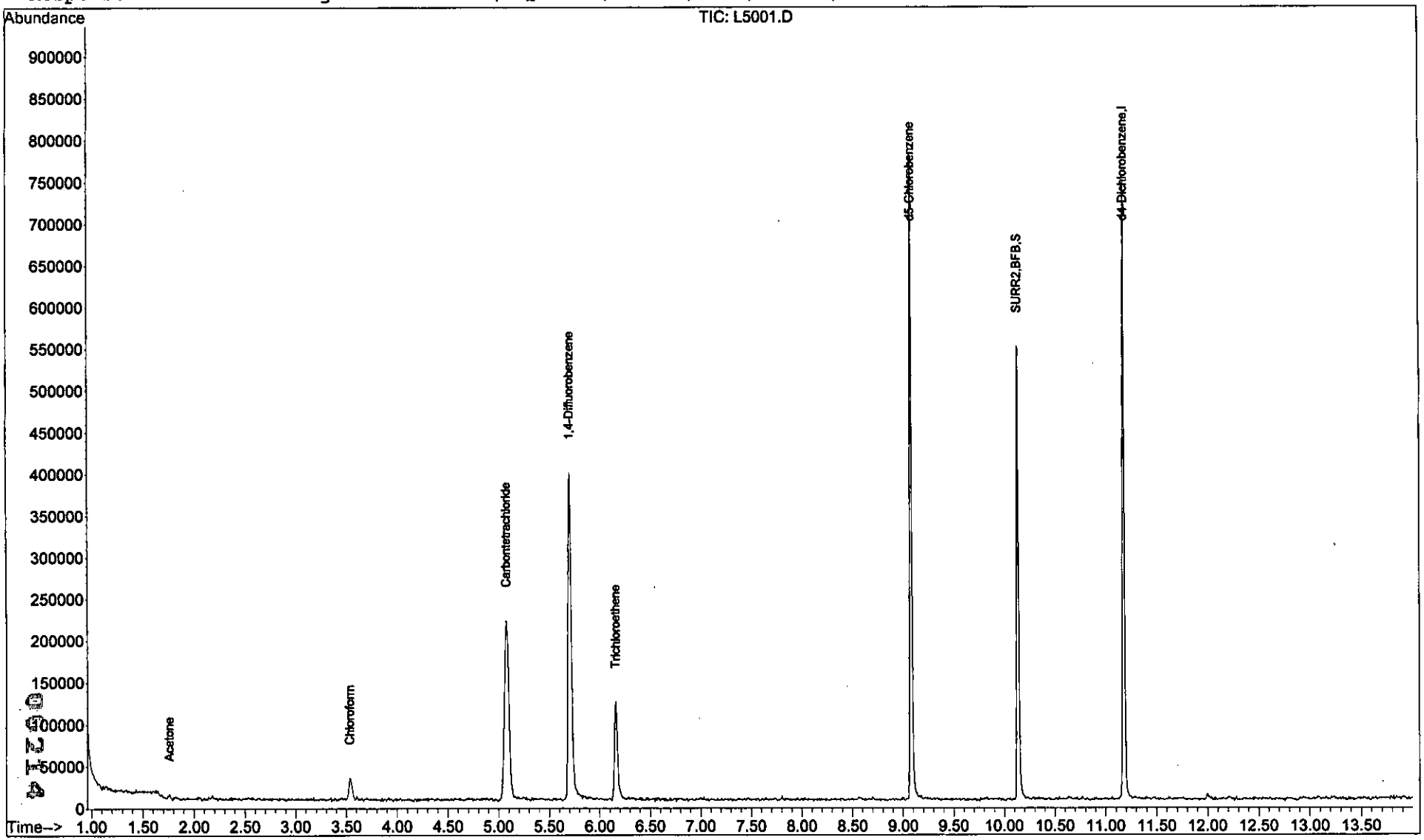
DL 5/28/14

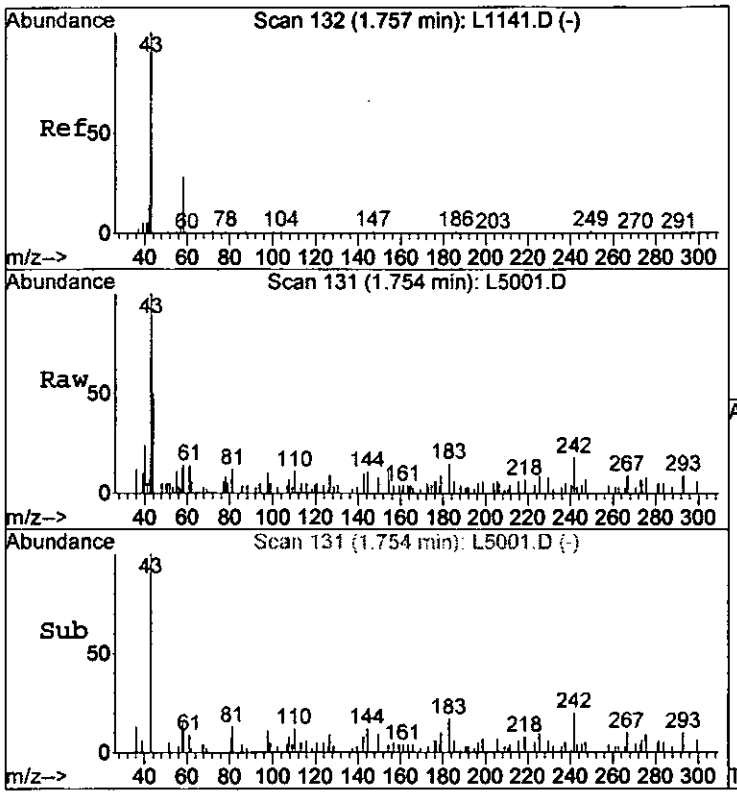
(#) = qualifier out of range (m) = manual integration
L5001.D OLC1026.M Thu May 22 08:11:06 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D Vial: 38
Acq On : 22 May 2014 7:52 am Operator: D.Lipani
Sample : R1403523-016|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 8:11 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

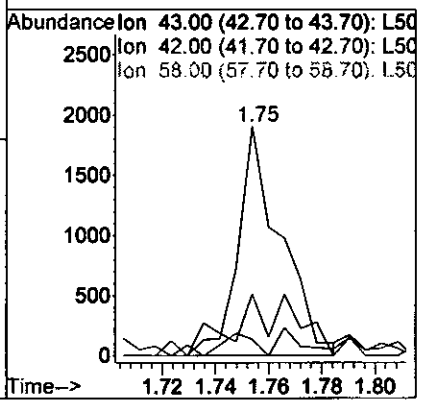


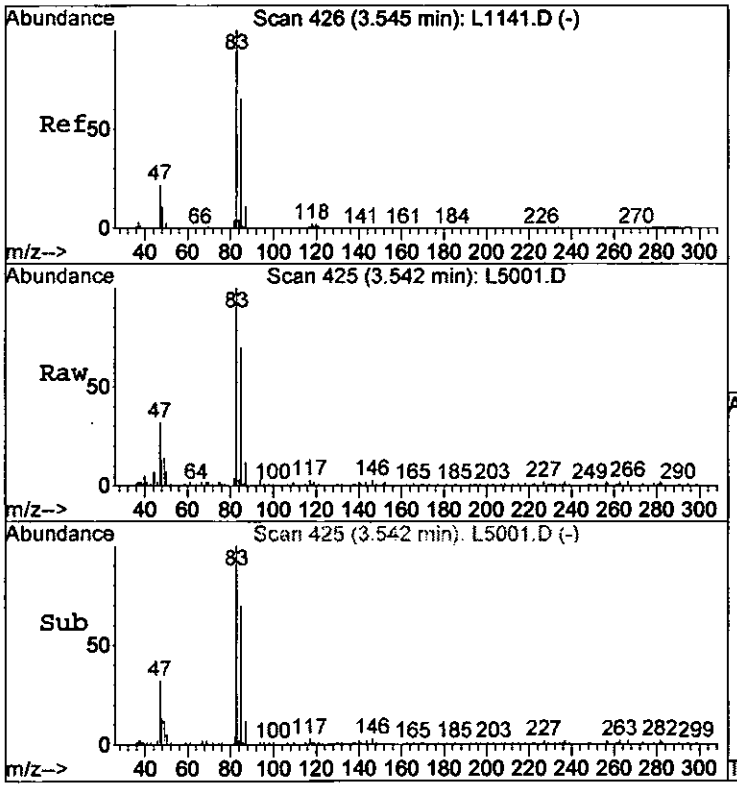


#7
Acetone
Concen: 1.14 ug/L
RT: 1.75 min Scan# 131
Delta R.T. -0.00 min
Lab File: L5001.D
Acq: 22 May 2014 7:52 am

Tgt Ion: 43 Resp: 2117

Ion	Ratio	Lower	Upper
43	100		
42	7.2	0.0	44.7
58	26.9	0.0	57.9

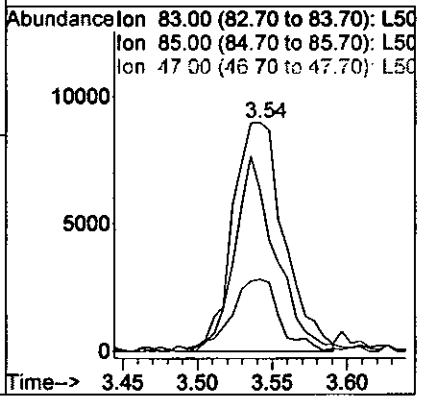


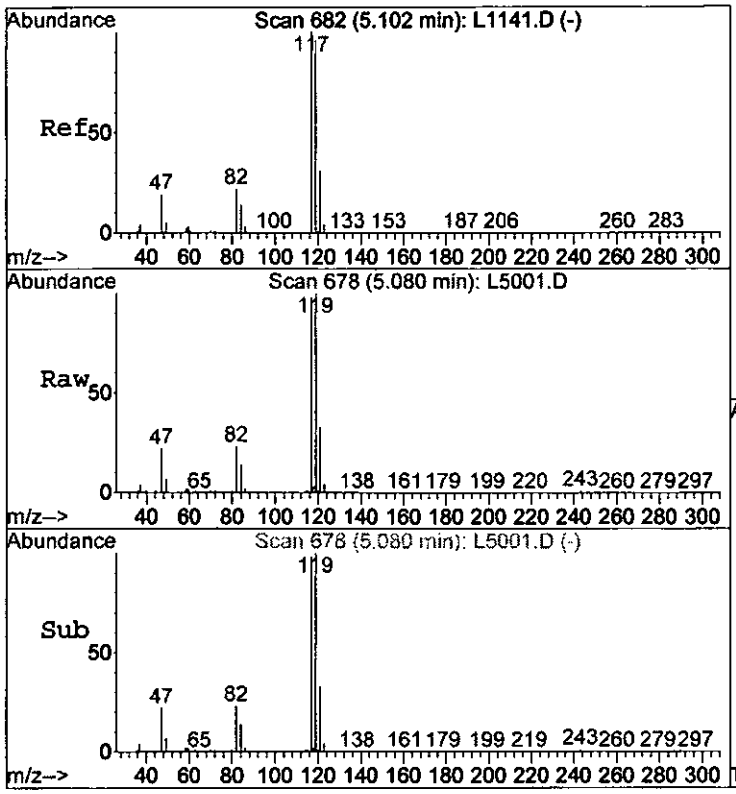


#16
Chloroform
Concen: 0.49 ug/L
RT: 3.54 min Scan# 425
Delta R.T. 0.01 min
Lab File: L5001.D
Acq: 22 May 2014 7:52 am

Tgt Ion: 83 Resp: 21461

Ion	Ratio	Lower	Upper
83	100		
85	70.5	51.7	77.5
47	31.5	18.9	28.3#

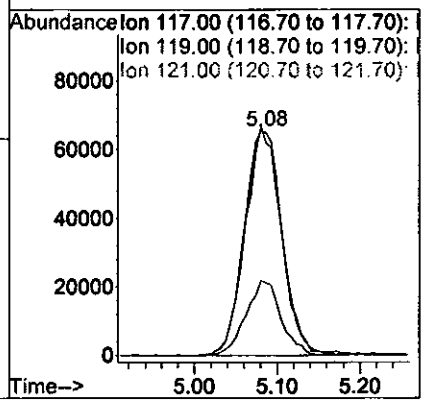


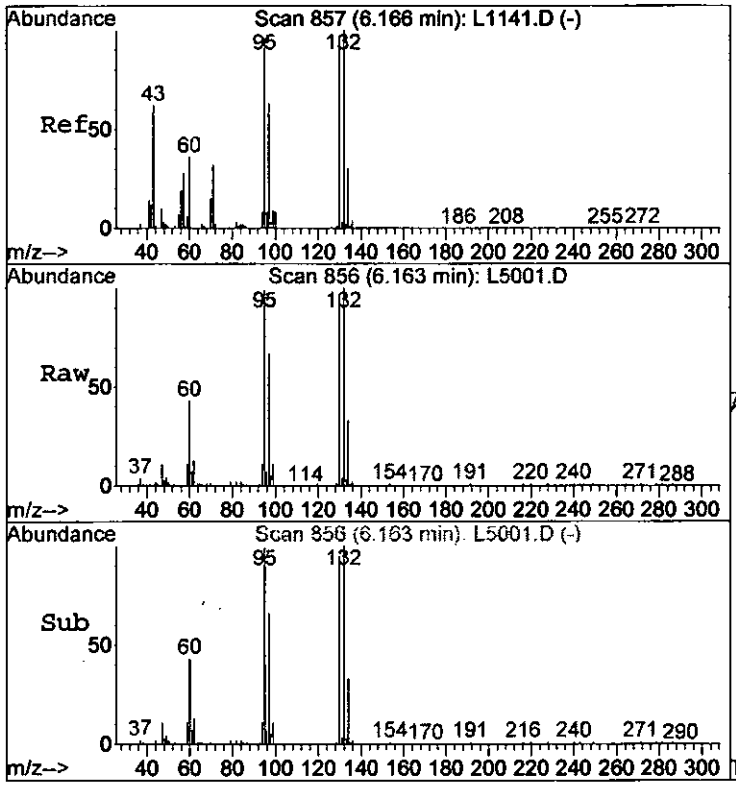


#21
Carbontetrachloride
Concen: 6.17 ug/L
RT: 5.08 min Scan# 678
Delta R.T. -0.00 min
Lab File: L5001.D
Acq: 22 May 2014 7:52 am

Tgt Ion:117 Resp: 208093

Ion	Ratio	Lower	Upper
117	100		
119	102.0	76.8	115.2
121	33.4	24.4	36.6

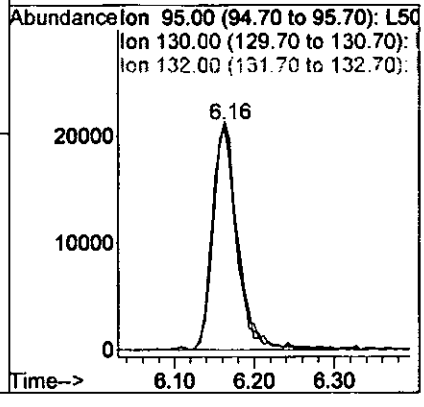




#24
Trichloroethene
Concen: 1.63 ug/L
RT: 6.16 min Scan# 856
Delta R.T. 0.01 min
Lab File: L5001.D
Acq: 22 May 2014 7:52 am

Tgt Ion: 95 Resp: 44586

Ion	Ratio	Lower	Upper
95	100		
130	103.4	82.9	124.3
132	99.5	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D Vial: 38
Acq On : 22 May 2014 7:52 am Operator: D.Lipani
Sample : R1403523-016|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

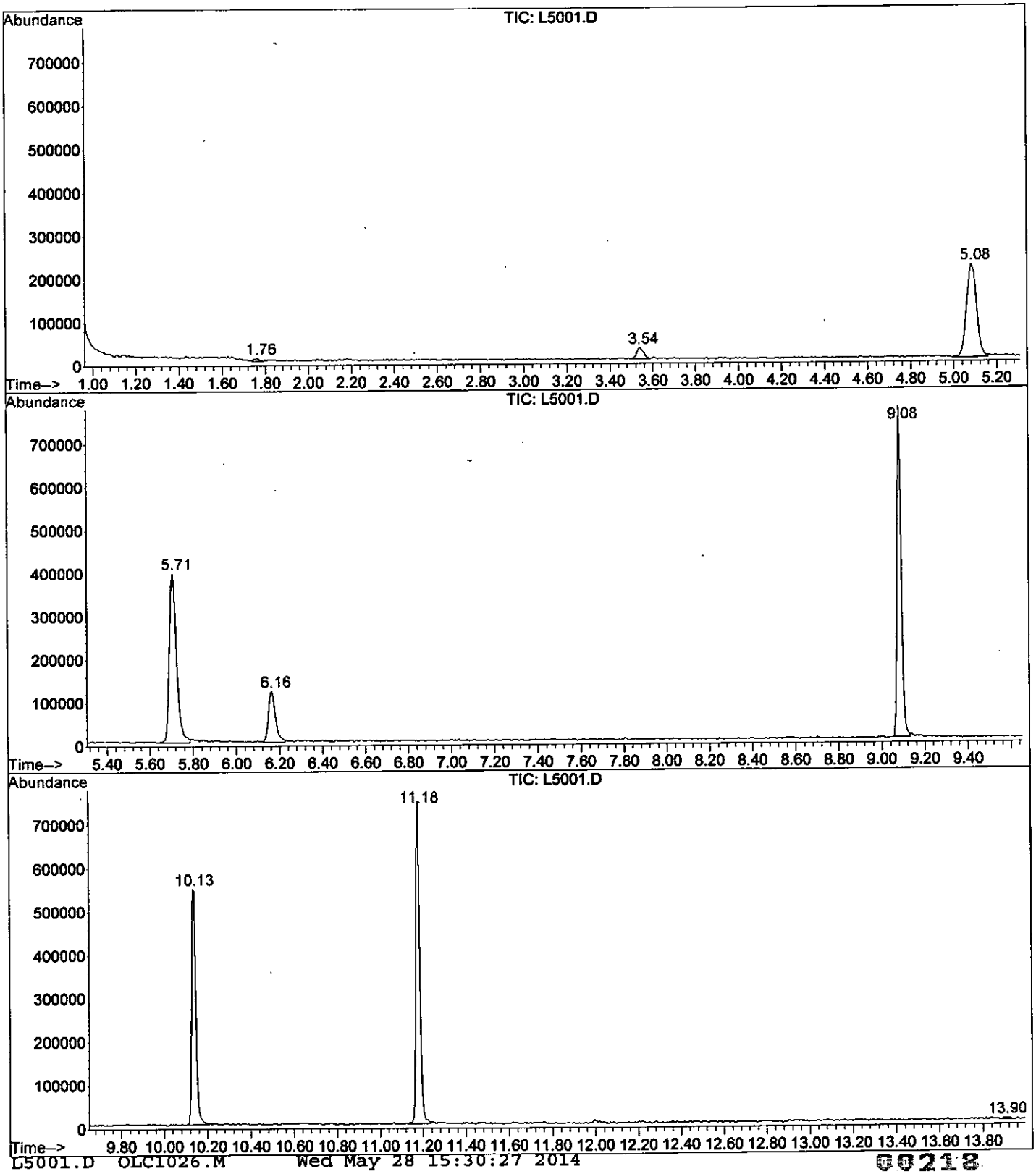
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.760	128	132	137	rVB6	7730	12651	1.26%	0.277%
2	3.536	417	424	432	rVB3	26813	59571	5.94%	1.303%
3	5.080	664	678	691	rBV2	216329	679604	67.74%	14.861%
4	5.707	769	781	794	rBV	392196	904781	90.19%	19.786%
5	6.163	849	856	866	rBV	118486	258814	25.80%	5.660%
6	9.082	1331	1336	1344	rBV	768909	1003181	100.00%	21.937%
7	10.134	1505	1509	1521	rBV	542150	725955	72.37%	15.875%
8	11.180	1673	1681	1690	rBV	741073	918219	91.53%	20.079%
9	13.904	2125	2129	2136	rVB9	4590	10149	1.01%	0.222%

Sum of corrected areas: 4572925

L5001.D OLC1026.M Wed May 28 15:30:23 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D
Operator : D.Lipani
Acquired : 22 May 2014 7:52 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-016|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 38
Quant File :OLC1026.RES (RTE Integrator)



L5001.D OLC1026.M Wed May 28 15:30:27 2014

00218

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 7:52 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D
Name: R1403523-016|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5001.D OLC1026.M Wed May 28 15:30:27 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 17:05
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	1.7	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 17:05
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 17:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 1705

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D Vial: 14
Acq On : 21 May 2014 5:05 pm Operator: D.Lipani
Sample : R1403523-017|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 17:23 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	377253	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	311659	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	139554	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	121104	5.05	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.00%			
Target Compounds						Qvalue
7) Acetone	1.76	43	2724	1.74	ug/L	81

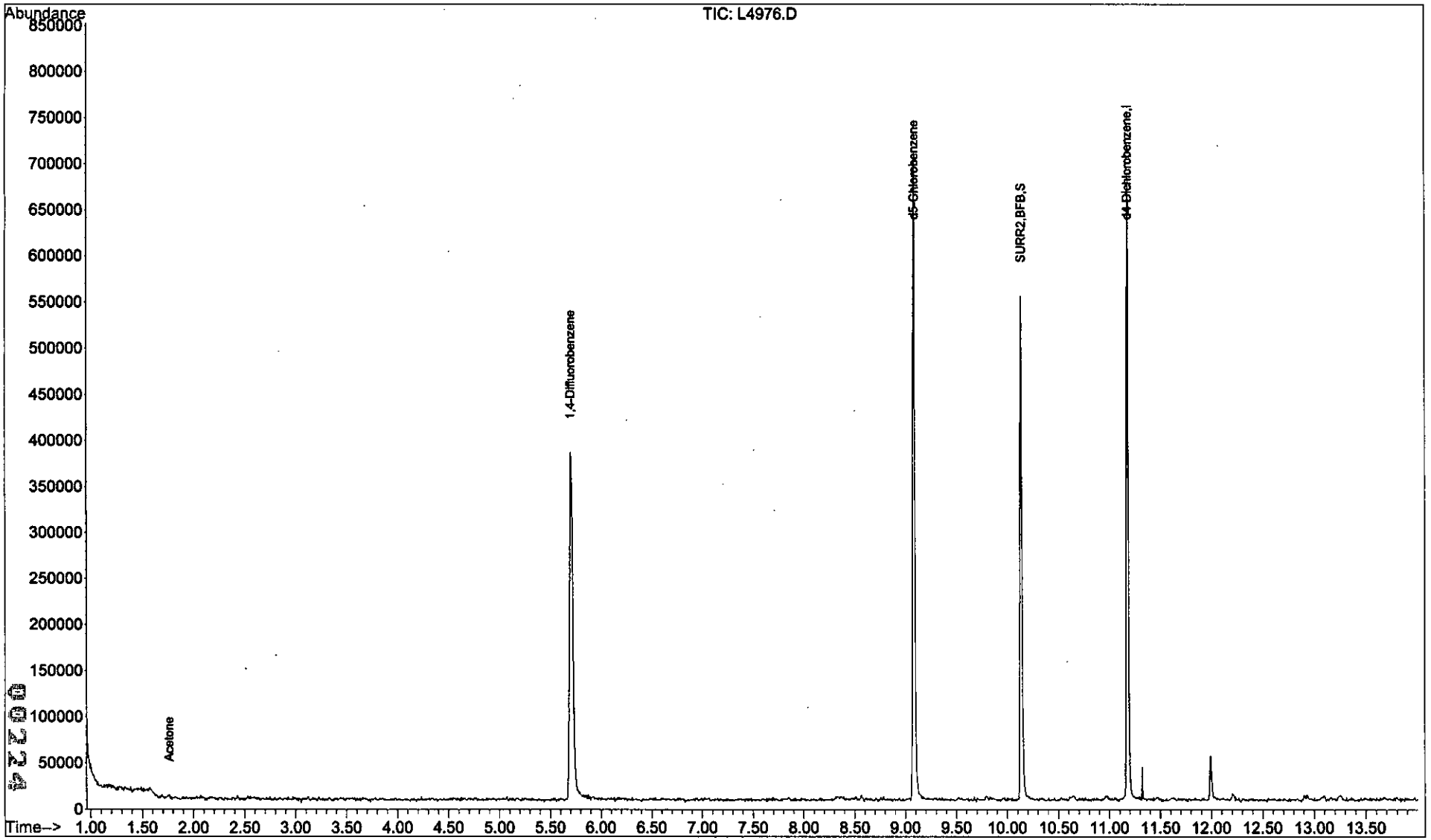
DL 5/28/14

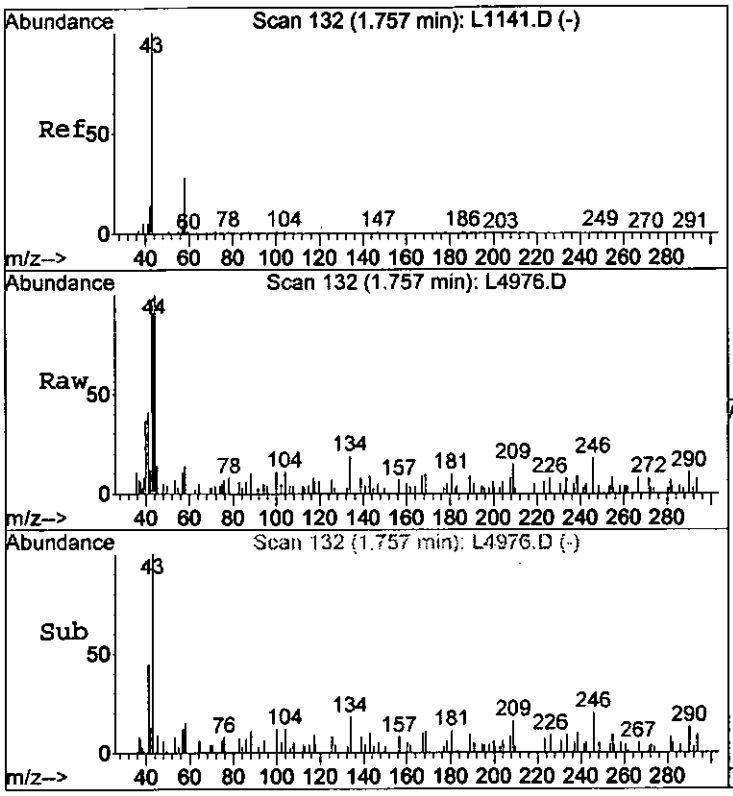
(#) = qualifier out of range (m) = manual integration
L4976.D OLC1026.M Wed May 21 17:23:53 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D Vial: 14
Acq On : 21 May 2014 5:05 pm Operator: D.Lipani
Sample : R1403523-017|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 17:23 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

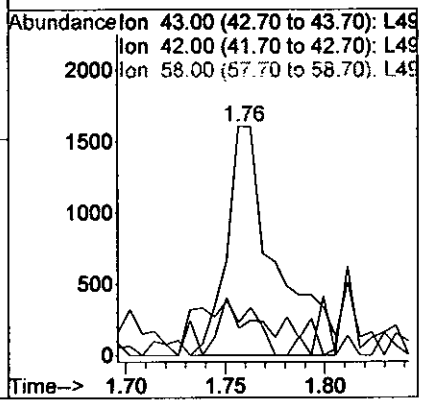




#7
Acetone
Concen: 1.74 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L4976.D
Acq: 21 May 2014 5:05 pm

Tgt Ion: 43 Resp: 2724

Ion	Ratio	Lower	Upper
43	100		
42	11.8	0.0	44.7
58	14.3	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D Vial: 14
Acq On : 21 May 2014 5:05 pm Operator: D.Lipani
Sample : R1403523-017|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

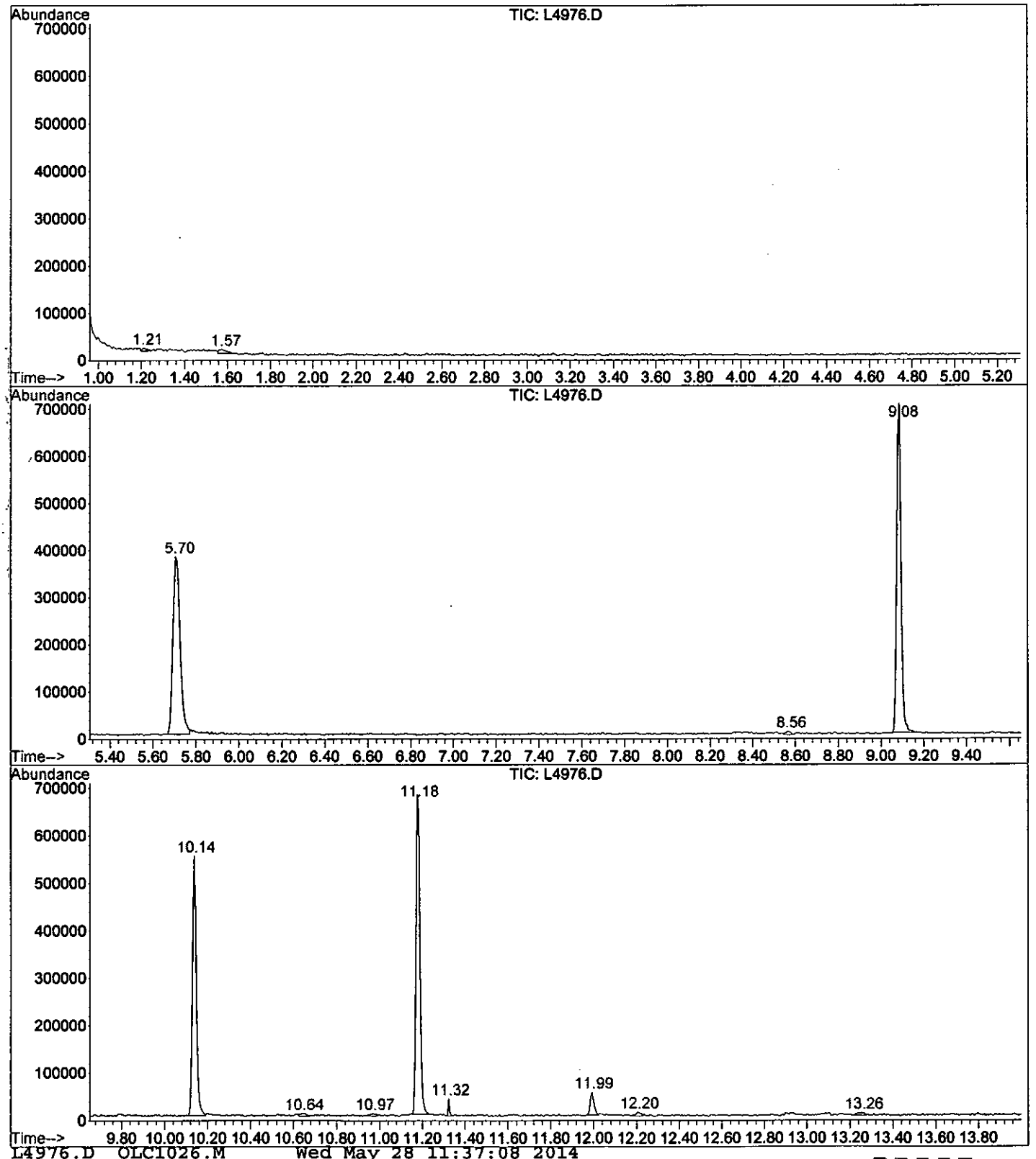
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.209	40	42	48	rVB7	6180	10159	1.05%	0.287%
2	1.574	99	102	110	rVB10	9039	20319	2.10%	0.575%
3	5.704	775	781	792	rBV	376902	860927	89.15%	24.359%
4	8.562	1248	1251	1256	rVB3	7287	11299	1.17%	0.320%
5	9.085	1332	1337	1349	rVB	698676	965718	100.00%	27.324%
6	10.137	1505	1510	1519	rBV	546409	689429	71.39%	19.507%
7	10.642	1590	1593	1599	rVB7	4842	10098	1.05%	0.286%
8	10.970	1641	1647	1650	rBV7	5096	9695	1.00%	0.274%
9	11.177	1677	1681	1691	rVB	671617	854997	88.53%	24.191%
10	11.323	1703	1705	1708	rBV	35758	16491	1.71%	0.467%
11	11.992	1811	1815	1820	rBV2	47673	58520	6.06%	1.656%
12	12.204	1845	1850	1854	rVB6	8098	12931	1.34%	0.366%
13	13.257	2017	2023	2026	rBV8	5948	13729	1.42%	0.388%

Sum of corrected areas: 3534312

L4976.D OLC1026.M Wed May 28 11:37:04 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D
Operator : D.Lipani
Acquired : 21 May 2014 5:05 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-017|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 14
Quant File :OLC1026.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 5:05 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D
Name: R1403523-017|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4976.D OLC1026.M Wed May 28 11:37:08 2014

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1200
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 08:28
Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.8**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1200
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 08:28
Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	0.16	J	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	80-120	5/22/14 08:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0828

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D Vial: 39
Acq On : 22 May 2014 8:28 am Operator: D.Lipani
Sample : R1403523-018|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 8:46 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	382125	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	307535	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	123883	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	116426	4.47	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 89.40%			
Target Compounds						Qvalue
7) Acetone	1.76	43	3157	1.75	ug/L	99
24) Trichloroethene	6.16	95	4100	0.16	ug/L	92

DL 5/28/14

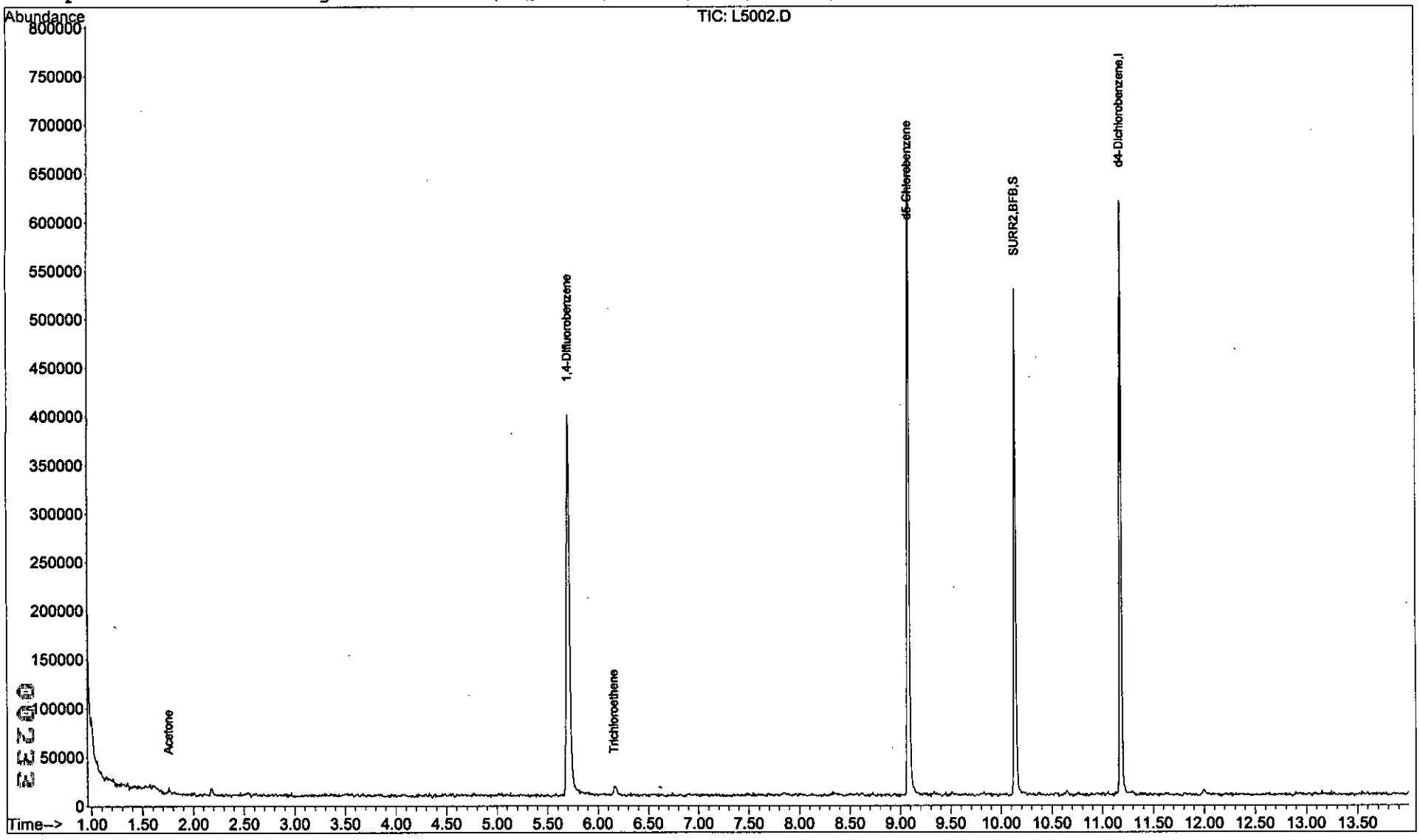
(#) = qualifier out of range (m) = manual integration
L5002.D OLC1026.M Thu May 22 08:46:46 2014

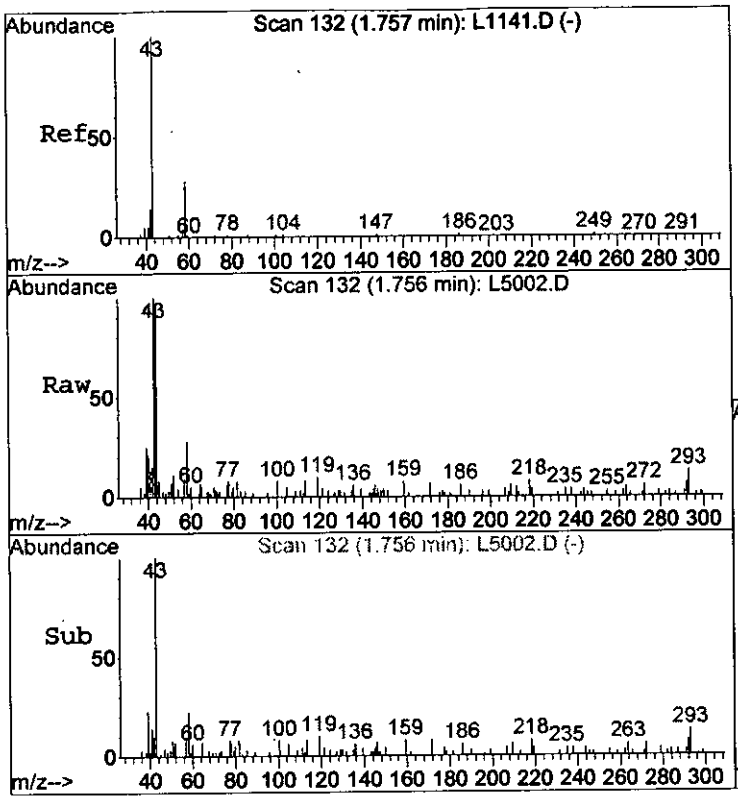
00237

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D Vial: 39
Acq On : 22 May 2014 8:28 am Operator: D.Lipani
Sample : R1403523-018|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 8:46 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

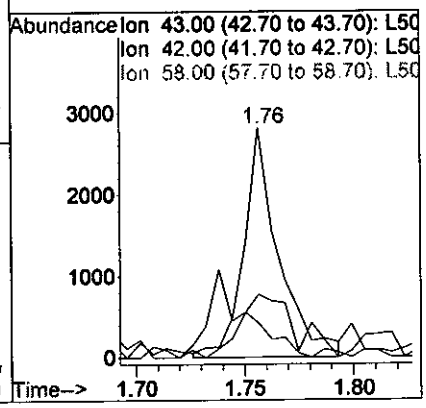


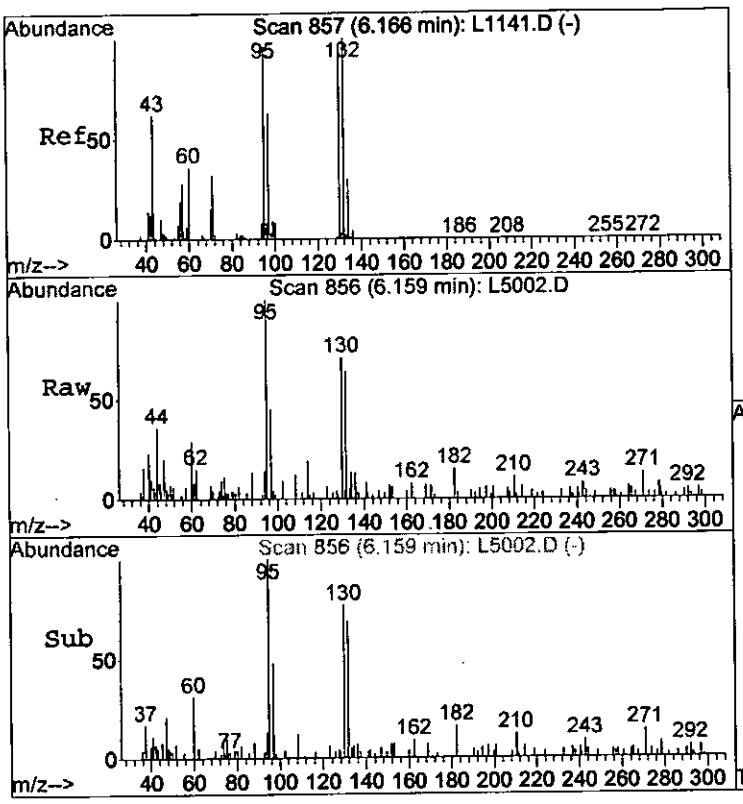


#7
Acetone
Concen: 1.75 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L5002.D
Acq: 22 May 2014 8:28 am

Tgt Ion: 43 Resp: 3157

Ion	Ratio	Lower	Upper
43	100		
42	15.0	0.0	44.7
58	27.5	0.0	57.9

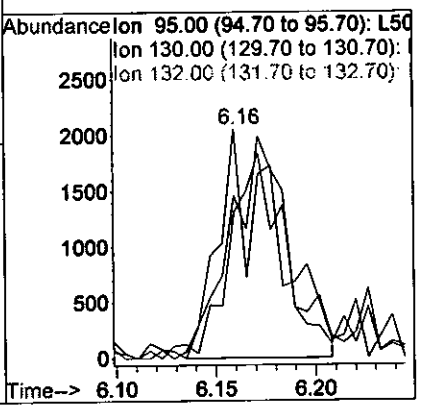




#24
Trichloroethene
Concen: 0.16 ug/L
RT: 6.16 min Scan# 856
Delta R.T. 0.01 min
Lab File: L5002.D
Acq: 22 May 2014 8:28 am

Tgt Ion: 95 Resp: 4100

Ion	Ratio	Lower	Upper
95	100		
130	110.9	82.9	124.3
132	94.3	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D Vial: 39
Acq On : 22 May 2014 8:28 am Operator: D.Lipani
Sample : R1403523-018|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

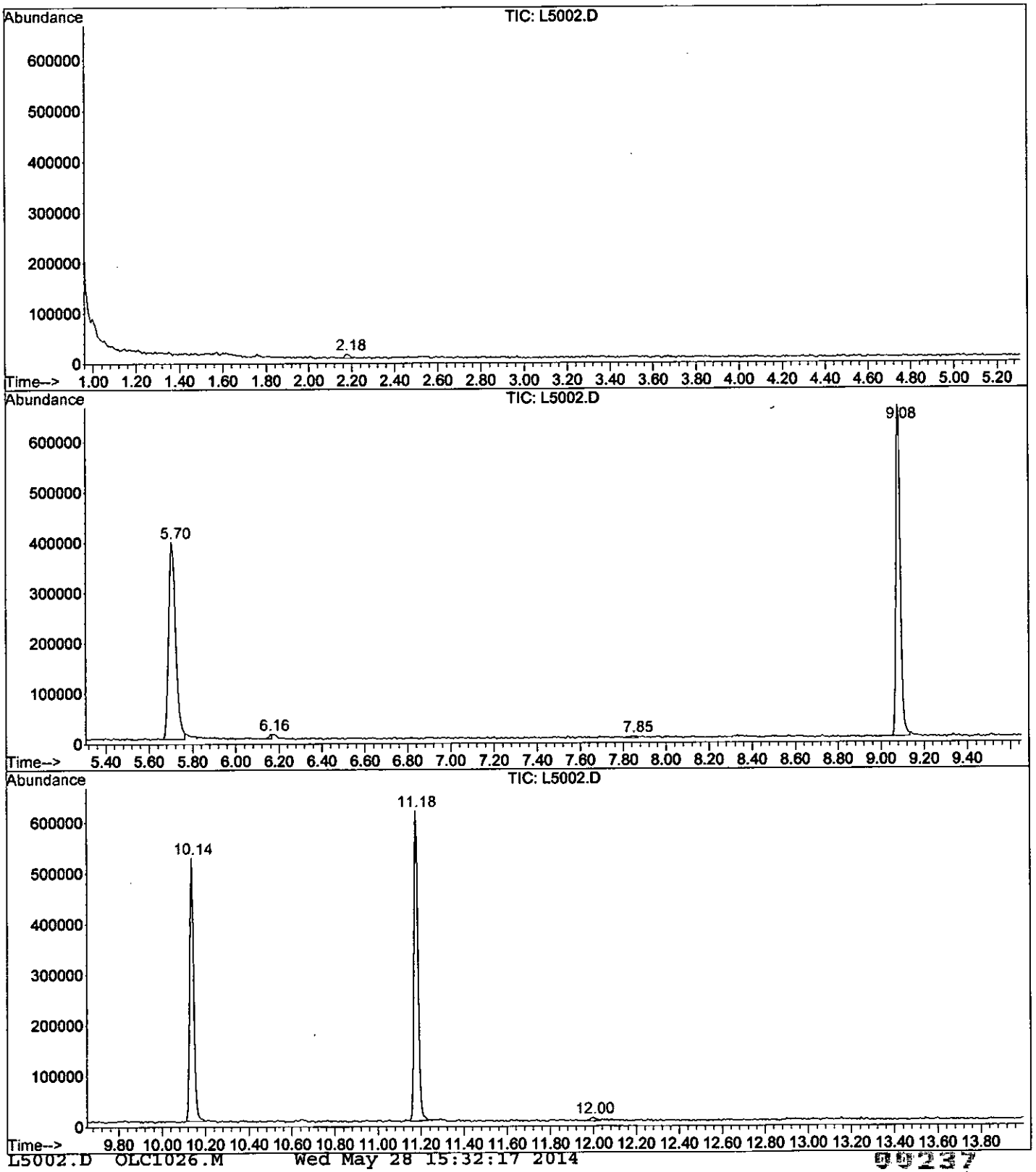
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.176	198	201	206	rBV2	8502	13682	1.47%	0.418%
2	5.703	775	781	791	rBV	391696	858656	92.52%	26.202%
3	6.159	852	856	857	rBV2	9529	9360	1.01%	0.286%
4	7.850	1126	1134	1137	rBV8	4159	10935	1.18%	0.334%
5	9.078	1332	1336	1345	rBV	657284	928095	100.00%	28.321%
6	10.137	1505	1510	1521	rBV	519428	656096	70.69%	20.021%
7	11.176	1677	1681	1691	rVB	610747	785360	84.62%	23.965%
8	11.997	1809	1816	1822	rBV8	6922	14911	1.61%	0.455%

Sum of corrected areas: 3277095

L5002.D OLC1026.M Wed May 28 15:32:12 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D
Operator : D.Lipani
Acquired : 22 May 2014 8:28 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-018|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 39
Quant File :OLC1026.RES (RTE Integrator)



L5002.D OLC1026.M Wed May 28 15:32:17 2014

00237

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 8:28 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D
Name: R1403523-018|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5002.D OLC1026.M Wed May 28 15:32:17 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1245
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:04
Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.3**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1245
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:04
Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 09:04	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0904

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D Vial: 40
Acq On : 22 May 2014 9:04 am Operator: D.Lipani
Sample : R1403523-019|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 9:23 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	388309	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	320088	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	146035	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	123279	4.66	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.20%			
Target Compounds						Qvalue
7) Acetone	1.76	43	2377	1.30	ug/L	89

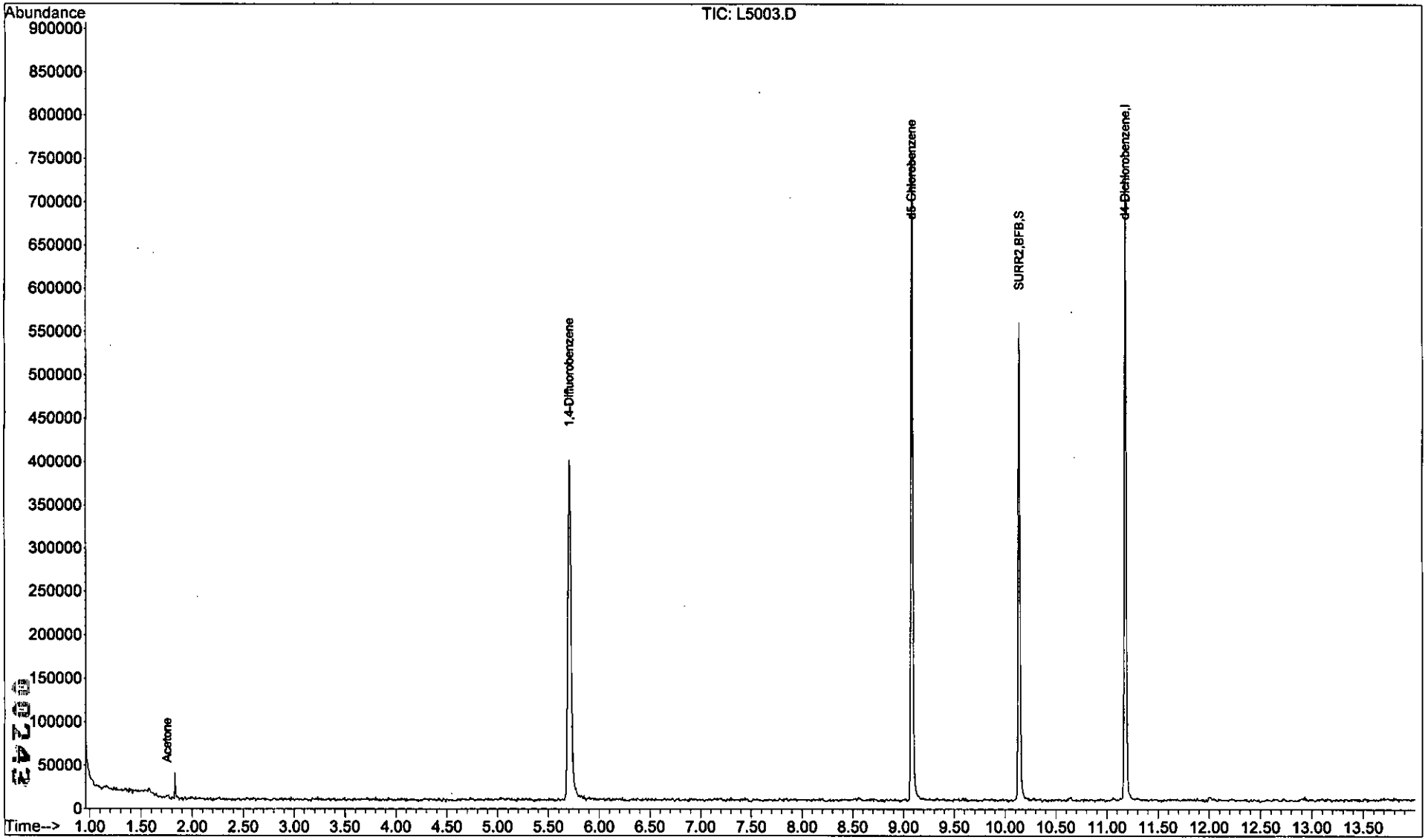
DL
5/28/14

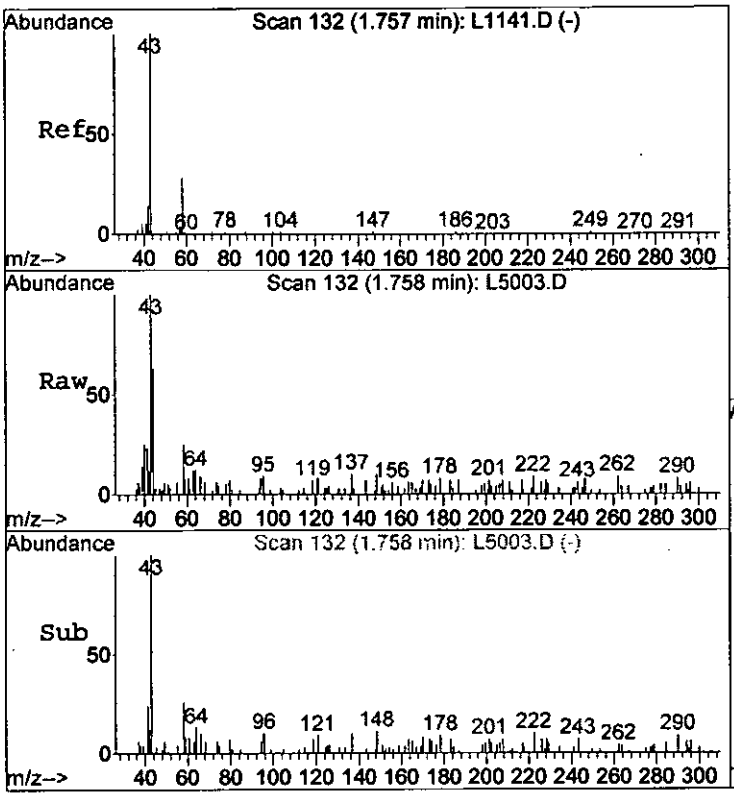
(#) = qualifier out of range (m) = manual integration
L5003.D OLC1026.M Thu May 22 09:23:08 2014 00242 Page 1

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D Vial: 40
Acq On : 22 May 2014 9:04 am Operator: D.Lipani
Sample : R1403523-019|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 9:23 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

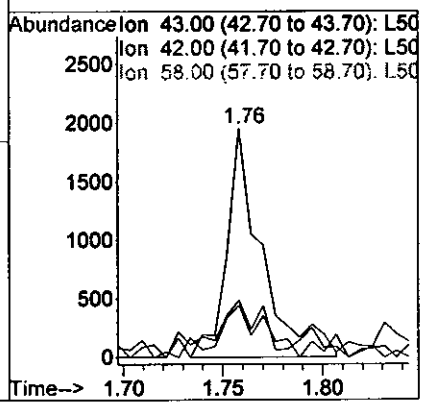




#7
Acetone
Concen: 1.30 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L5003.D
Acq: 22 May 2014 9:04 am

Tgt Ion: 43 Resp: 2377

Ion	Ratio	Lower	Upper
43	100		
42	22.7	0.0	44.7
58	24.8	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D Vial: 40
Acq On : 22 May 2014 9:04 am Operator: D.Lipani
Sample : R1403523-019|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

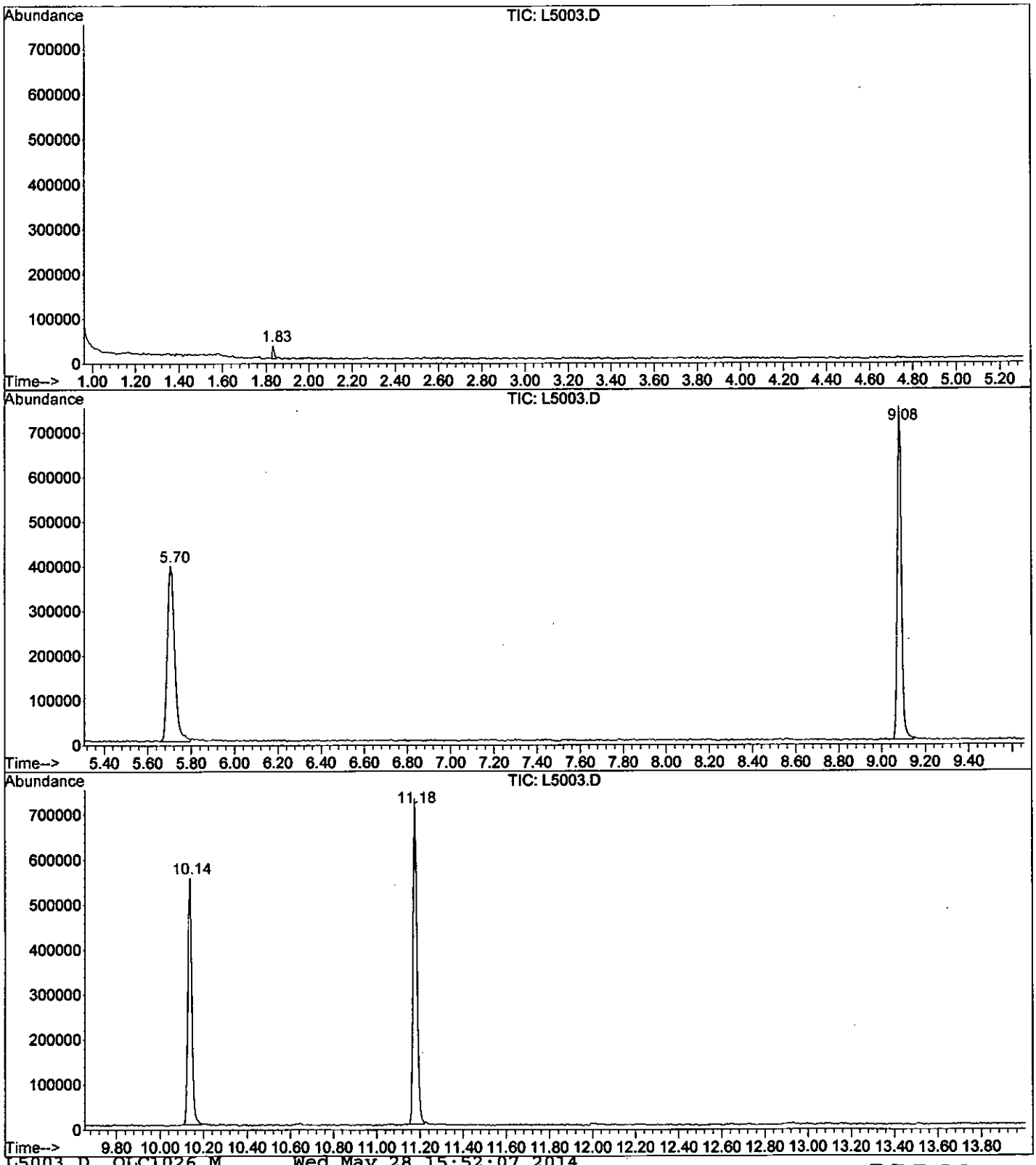
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.831	143	144	147	rBV	29647	17804	1.81%	0.514%
2	5.705	773	781	796	rBV	392480	899675	91.27%	25.951%
3	9.080	1331	1336	1347	rBV	745908	985776	100.00%	28.435%
4	10.138	1505	1510	1519	rBV	548514	693449	70.35%	20.002%
5	11.178	1676	1681	1688	rBV	722073	870114	88.27%	25.098%

Sum of corrected areas: 3466818

L5003.D OLC1026.M Wed May 28 15:52:03 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D
Operator : D.Lipani
Acquired : 22 May 2014 9:04 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-019|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 40
Quant File :OLC1026.RES (RTE Integrator)



L5003.D OLC1026.M Wed May 28 15:52:07 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 9:04 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D
Name: R1403523-019|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5003.D OLC1026.M Wed May 28 15:52:07 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1330
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:40
Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1330
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:40
Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 09:40	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0940

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D Vial: 41
Acq On : 22 May 2014 9:40 am Operator: D.Lipani
Sample : R1403523-020|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 9:58 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	386203	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	317656	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	138313	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	121074	4.60	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 92.00%			
Target Compounds						Qvalue
7) Acetone	1.76	43	959	0.53	ug/L	75 LT

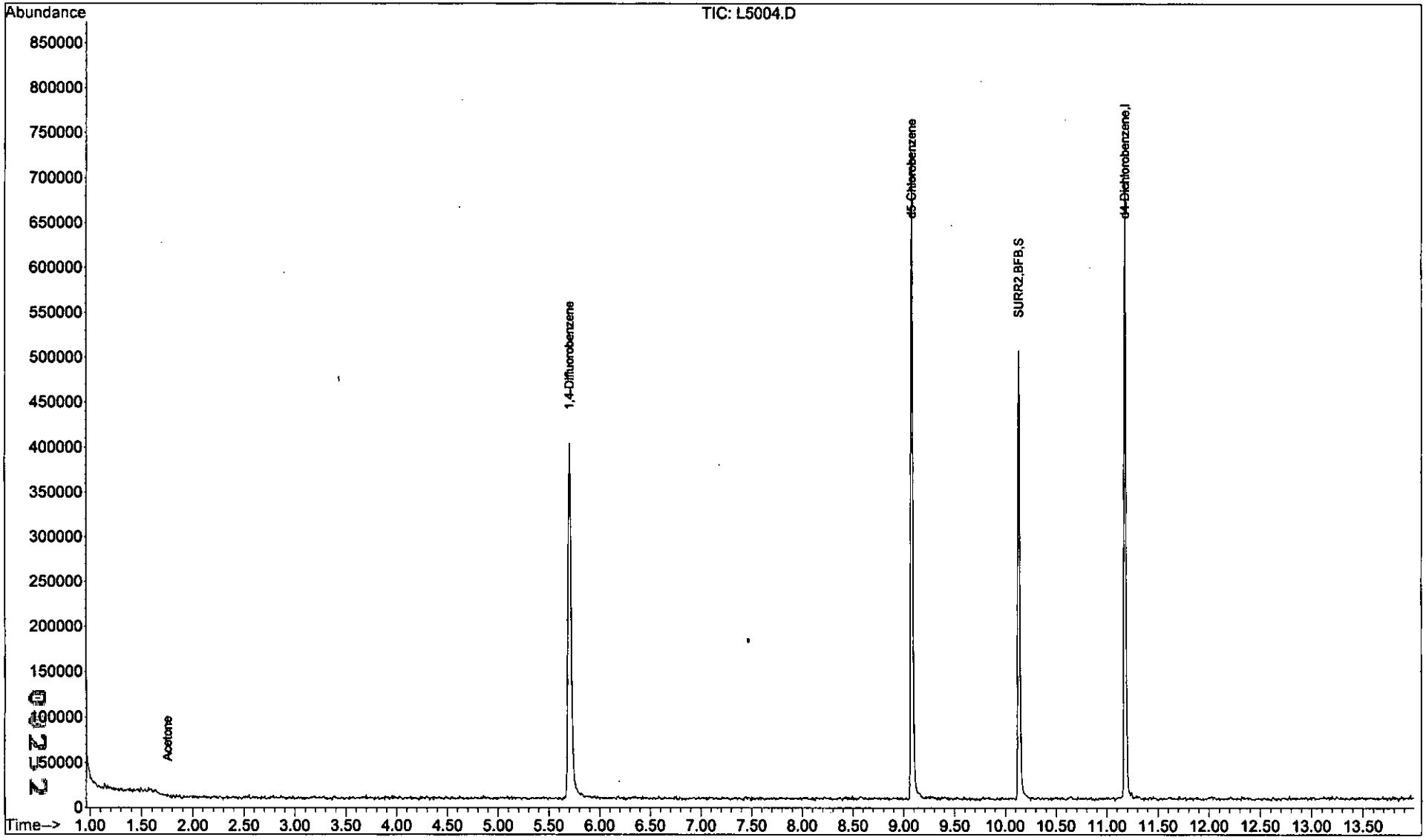
DL
5/28/14

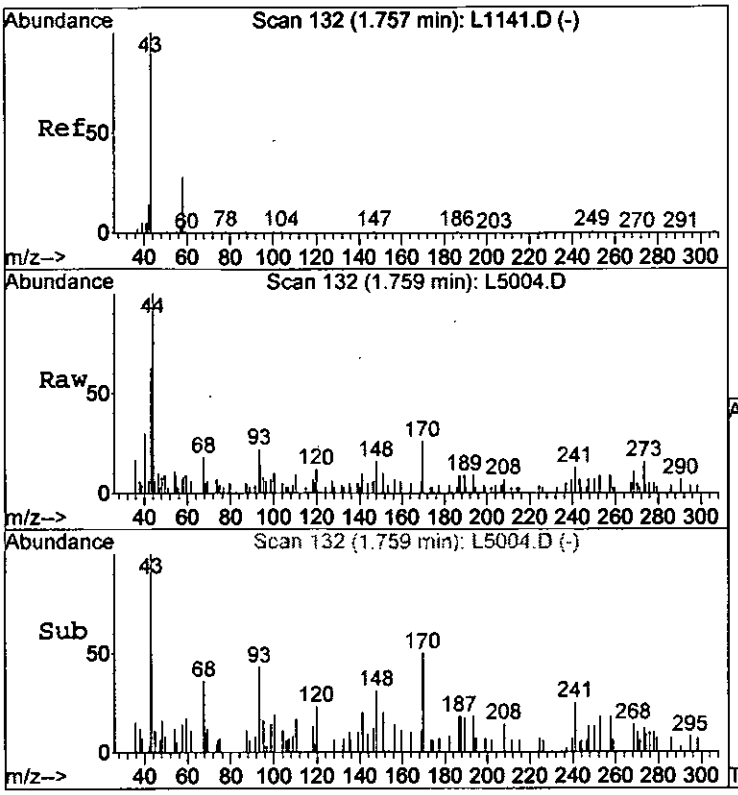
(#) = qualifier out of range (m) = manual integration
L5004.D OLC1026.M Thu May 22 09:58:47 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D Vial: 41
Acq On : 22 May 2014 9:40 am Operator: D.Lipani
Sample : R1403523-020|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 9:58 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

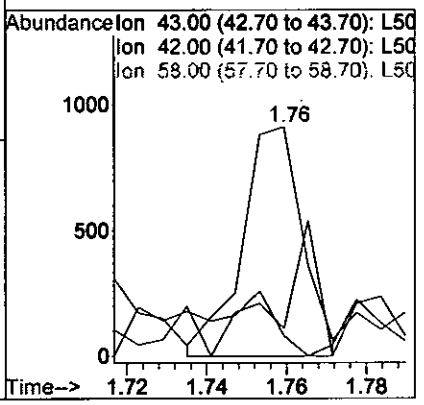




#7
Acetone
Concen: 0.53 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L5004.D
Acq: 22 May 2014 9:40 am

Tgt Ion: 43 Resp: 959

Ion	Ratio	Lower	Upper
43	100		
42	8.9	0.0	44.7
58	12.1	0.0	57.9



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D
Acq On : 22 May 2014 9:40 am
Sample : R1403523-020|1.0
Misc : CB&I OLC 2.1 7042 T4
MS Integration Params: LSCINT.P

Vial: 41
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Signal : TIC

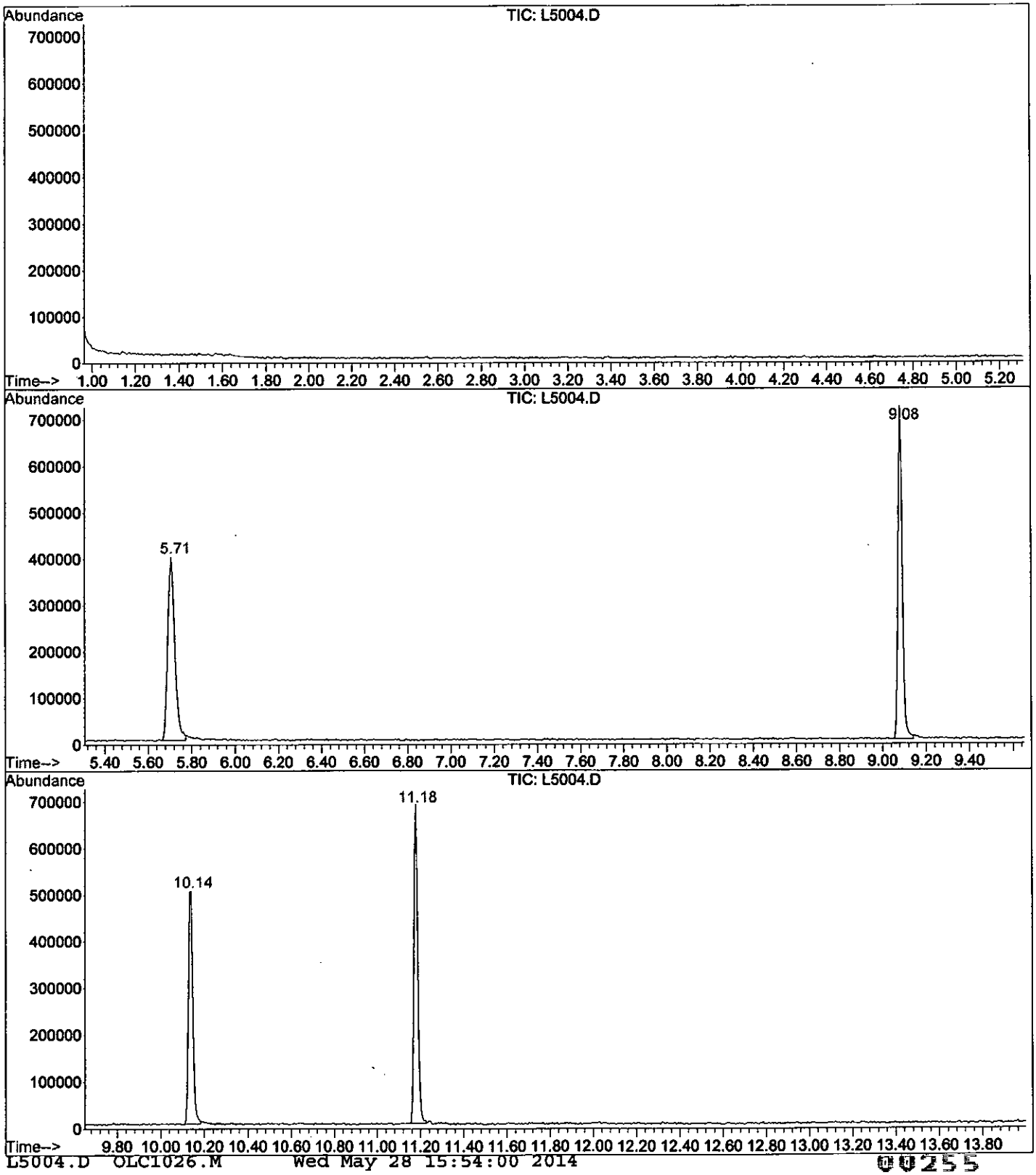
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.706	773	781	792	rBV	394837	881525	90.48%	26.000%
2	9.081	1331	1336	1346	rBV	717986	974267	100.00%	28.735%
3	10.139	1505	1510	1517	rBV	497832	684443	70.25%	20.187%
4	11.179	1676	1681	1689	rBV	681985	850294	87.28%	25.079%

Sum of corrected areas: 3390529

L5004.D OLC1026.M Wed May 28 15:53:56 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D
Operator : D.Lipani
Acquired : 22 May 2014 9:40 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-020|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 41
Quant File :OLC1026.RES (RTE Integrator)



L5004.D OLC1026.M Wed May 28 15:54:00 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 9:40 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D
Name: R1403523-020|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5004.D OLC1026.M Wed May 28 15:54:00 2014

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1420
Date Received: 5/15/14
Date Analyzed: 5/22/14 10:15

Sample Name: 13S
Lab Code: R1403523-021

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**4.0**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1420
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 10:15
Sample Name:	13S	**Units:**	µg/L
Lab Code:	R1403523-021	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**2.8**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	80-120	5/22/14 10:15	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1015

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	13S	**Units:**	µg/L
Lab Code:	R1403523-021	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D Vial: 42
Acq On : 22 May 2014 10:15 am Operator: D.Lipani
Sample : R1403523-021|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 10:34 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	385618	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	308727	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	136550	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	118123	4.50	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 90.00%			
Target Compounds						Qvalue
21) Carbontetrachloride	5.08	117	127587	4.01	ug/L #	96
24) Trichloroethene	6.16	95	72370	2.81	ug/L	95

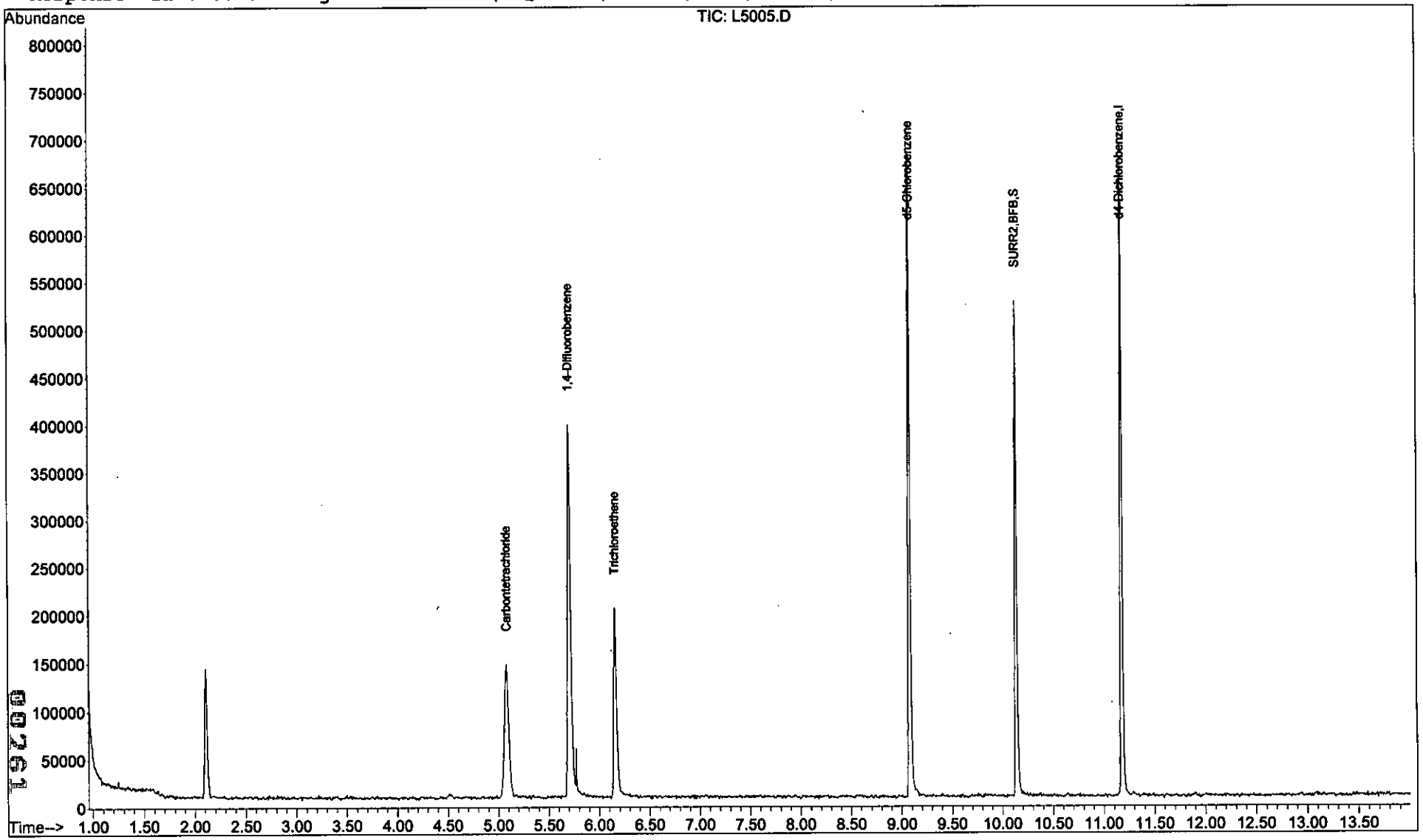
DL 5/28/14

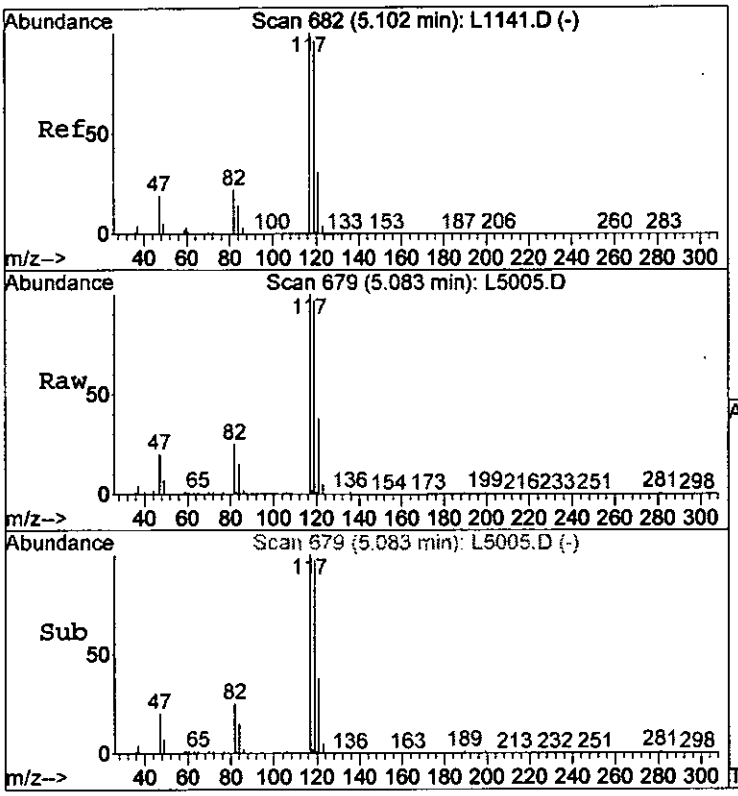
(#) = qualifier out of range (m) = manual integration
L5005.D OLC1026.M Thu May 22 10:34:15 2014 0026 Page 1

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D Vial: 42
Acq On : 22 May 2014 10:15 am Operator: D.Lipani
Sample : R1403523-021|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 10:34 2014 Quant Results File: OLC1026.RES

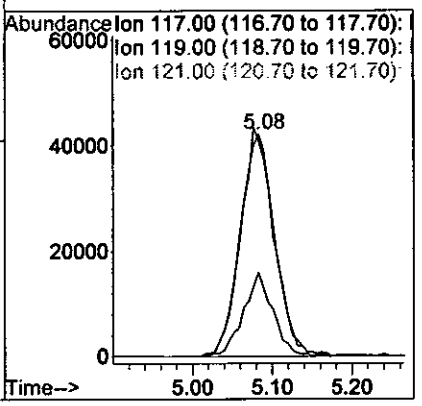
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

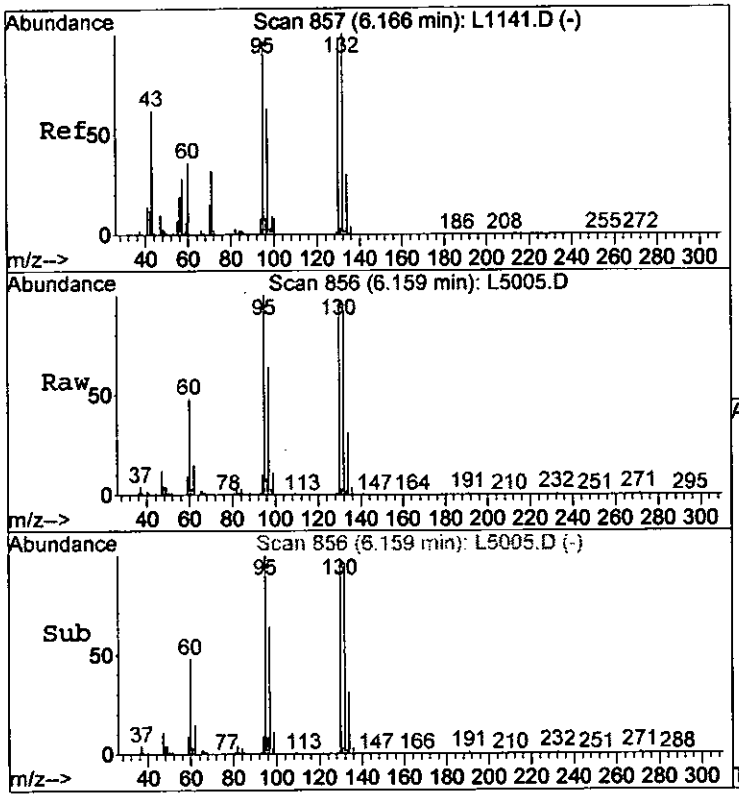




#21
Carbontetrachloride
Concen: 4.01 ug/L
RT: 5.08 min Scan# 679
Delta R.T. 0.00 min
Lab File: L5005.D
Acq: 22 May 2014 10:15 am

Tgt Ion:117	Resp:	127587	
Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.8	115.2
121	37.8	24.4	36.6#

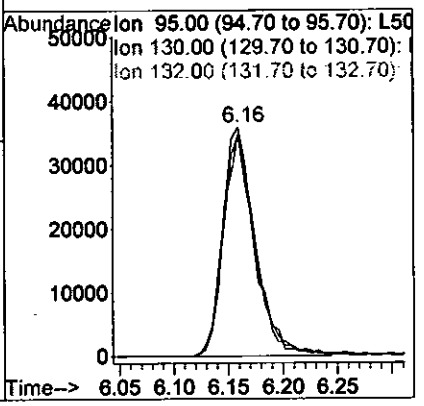




#24
Trichloroethene
Concen: 2.81 ug/L
RT: 6.16 min Scan# 856
Delta R.T. 0.01 min
Lab File: L5005.D
Acq: 22 May 2014 10:15 am

Tgt Ion: 95 Resp: 72370

Ion	Ratio	Lower	Upper
95	100		
130	99.8	82.9	124.3
132	96.1	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D
Acq On : 22 May 2014 10:15 am
Sample : R1403523-021|1.0
Misc : CB&I OLC 2.1 7042 T4
MS Integration Params: LSCINT.P

Vial: 42
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Signal : TIC

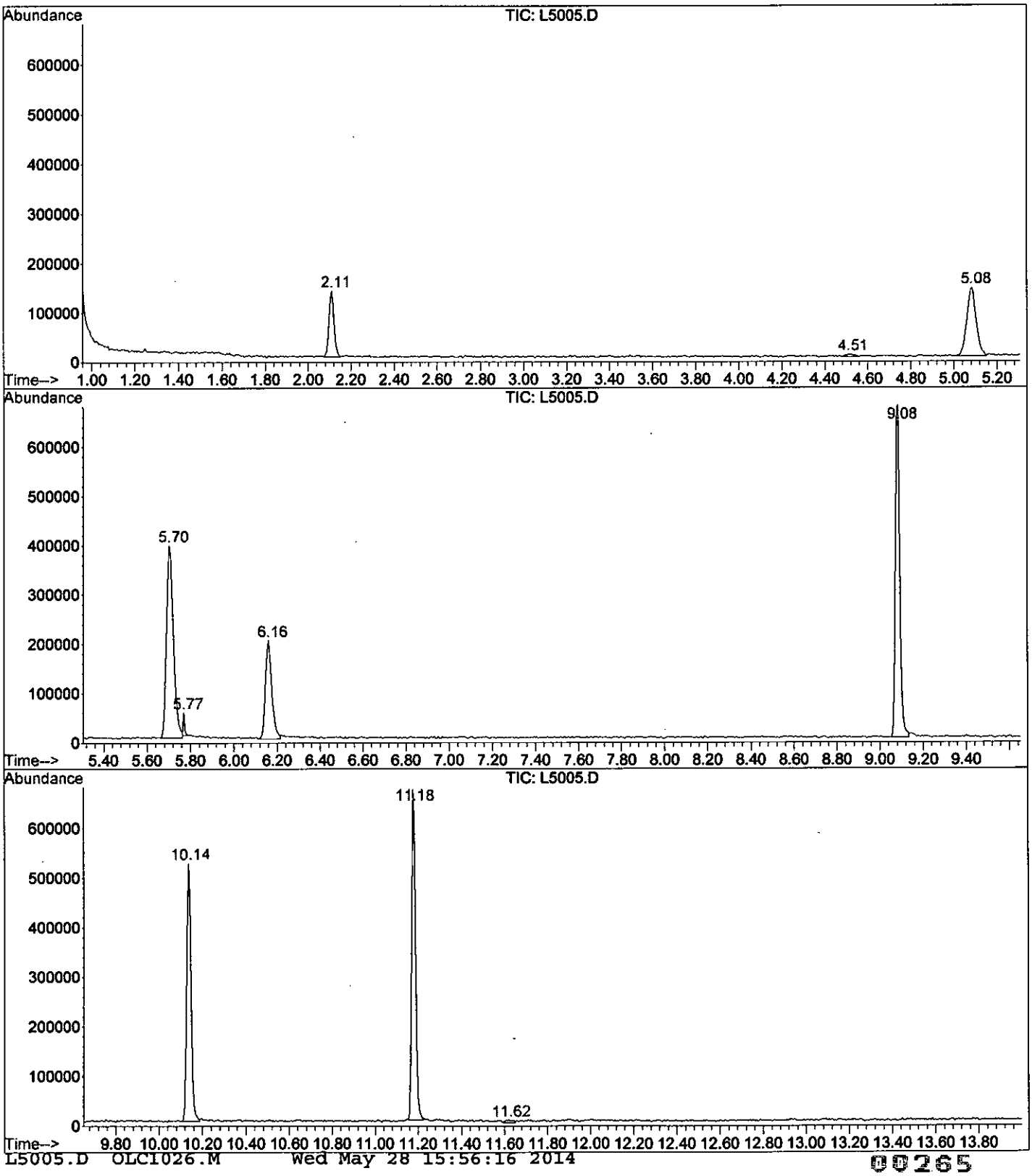
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.109	184	190	197	rBV	134164	224334	23.46%	5.066%
2	4.511	580	585	593	rVB	5442	14933	1.56%	0.337%
3	5.083	666	679	690	rBV2	139009	419694	43.90%	9.479%
4	5.703	774	781	791	rBV	389772	855914	89.53%	19.330%
5	5.770	791	792	795	rVB	45619	21154	2.21%	0.478%
6	6.159	848	856	865	rBV2	199637	405145	42.38%	9.150%
7	9.084	1332	1337	1345	rBV	673558	956055	100.00%	21.592%
8	10.136	1505	1510	1518	rBV	519712	676422	70.75%	15.277%
9	11.176	1677	1681	1691	rVB	663782	841458	88.01%	19.004%
10	11.620	1749	1754	1759	rBV8	4614	12713	1.33%	0.287%

Sum of corrected areas: 4427822

L5005.D OLC1026.M Wed May 28 15:56:12 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D
Operator : D.Lipani
Acquired : 22 May 2014 10:15 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-021|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 42
Quant File :OLC1026.RES (RTE Integrator)



L5005.D OLC1026.M Wed May 28 15:56:16 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 10:15 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D
Name: R1403523-021|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5005.D OLC1026.M Wed May 28 15:56:16 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 10:51
Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.4**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**0.26**	J	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 10:51
Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	80-120	5/22/14 10:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1051

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D Vial: 43
Acq On : 22 May 2014 10:51 am Operator: D.Lipani
Sample : R1403523-022|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 11:09 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	391608	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.09	117	325329	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	146411	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	128068	4.80	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.00%			
Target Compounds						Qvalue
7) Acetone	1.76	43	2529	1.37	ug/L	83
21) Carbontetrachloride	5.08	117	8718	0.26	ug/L	93

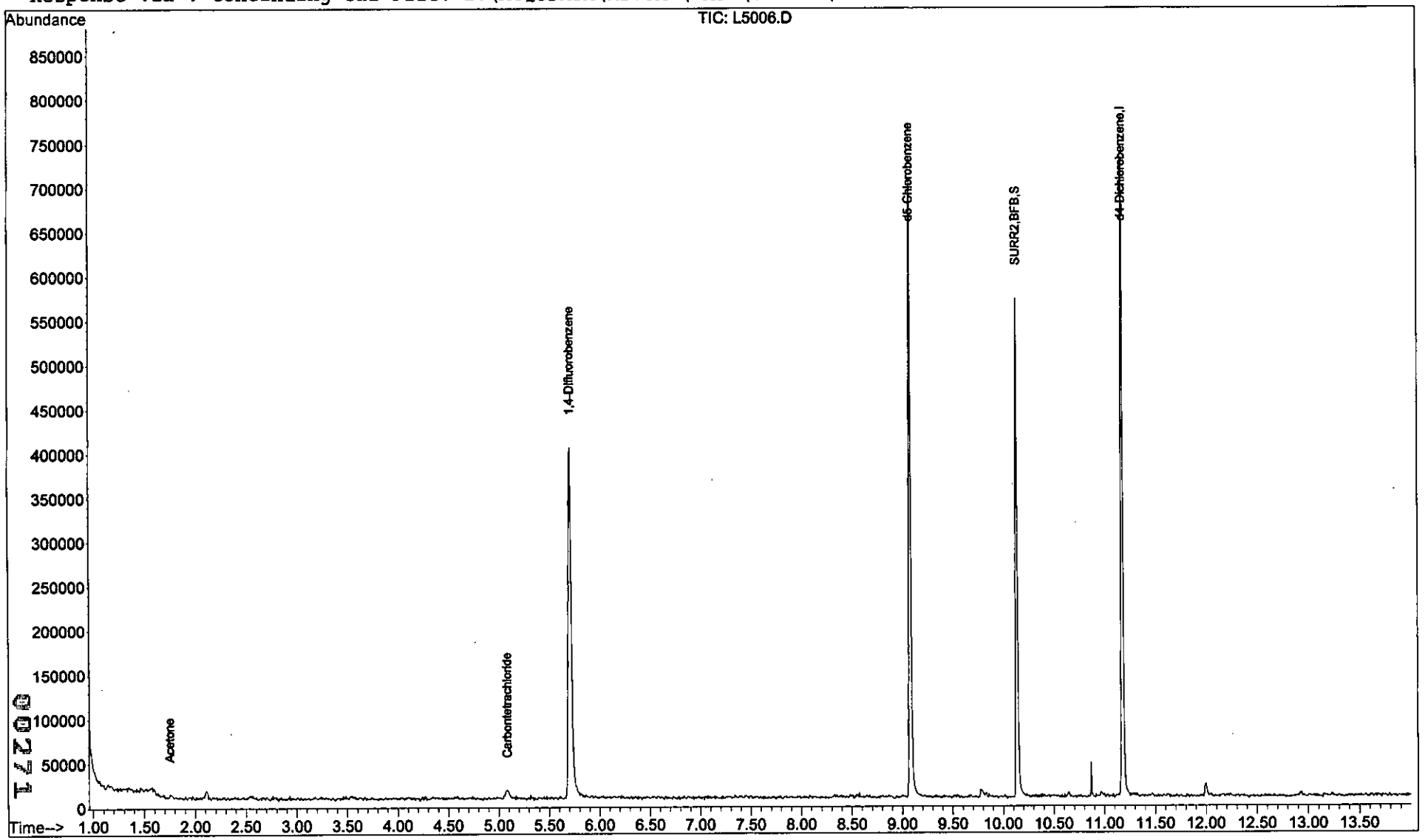
DL 5/28/14

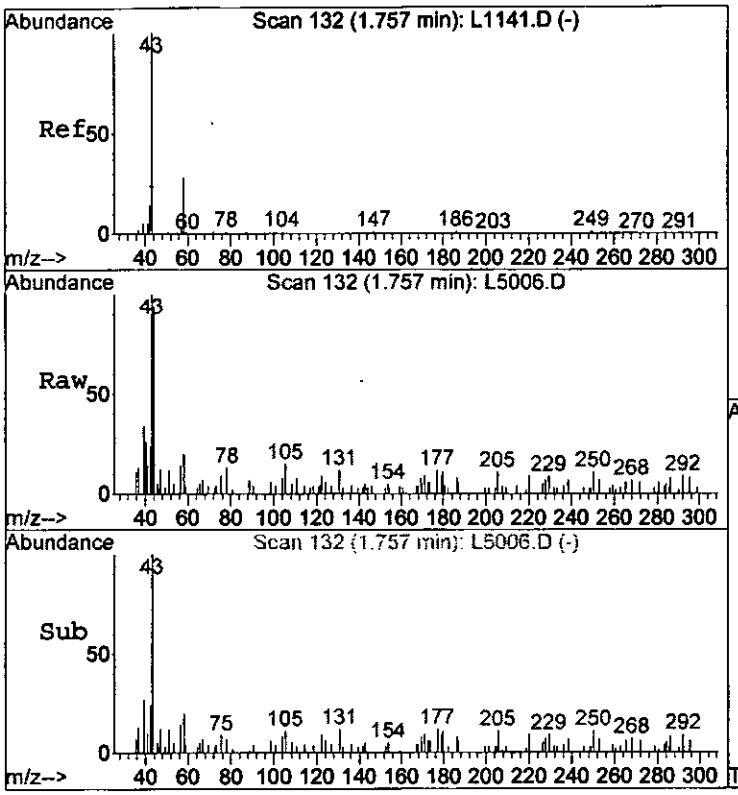
(#) = qualifier out of range (m) = manual integration
L5006.D OLC1026.M Thu May 22 11:09:55 2014 0027 Page 1

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D Vial: 43
Acq On : 22 May 2014 10:51 am Operator: D.Lipani
Sample : R1403523-022|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 11:09 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

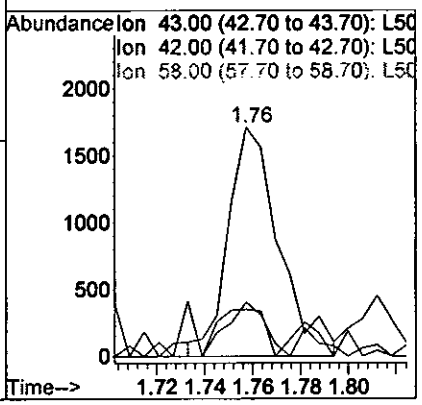


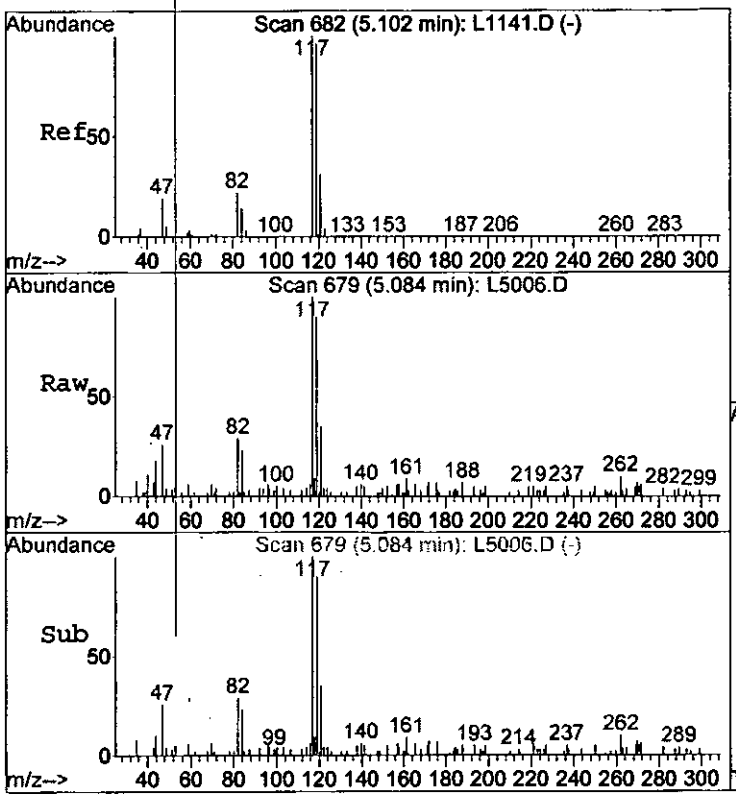


#7
Acetone
Concen: 1.37 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L5006.D
Acq: 22 May 2014 10:51 am

Tgt Ion: 43 Resp: 2529

Ion	Ratio	Lower	Upper
43	100		
42	23.7	0.0	44.7
58	20.5	0.0	57.9

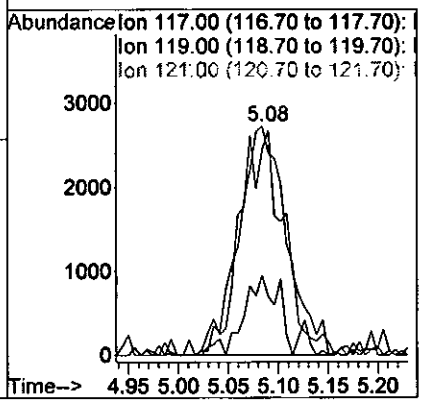




#21
Carbontetrachloride
Concen: 0.26 ug/L
RT: 5.08 min Scan# 679
Delta R.T. 0.00 min
Lab File: L5006.D
Acq: 22 May 2014 10:51 am

Tgt Ion:117 Resp: 8718

Ion	Ratio	Lower	Upper
117	100		
119	89.6	76.8	115.2
121	34.9	24.4	36.6



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D
Acq On : 22 May 2014 10:51 am
Sample : R1403523-022|1.0
Misc : CB&I OLC 2.1 7042 T4
MS Integration Params: LSCINT.P

Vial: 43
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Signal : TIC

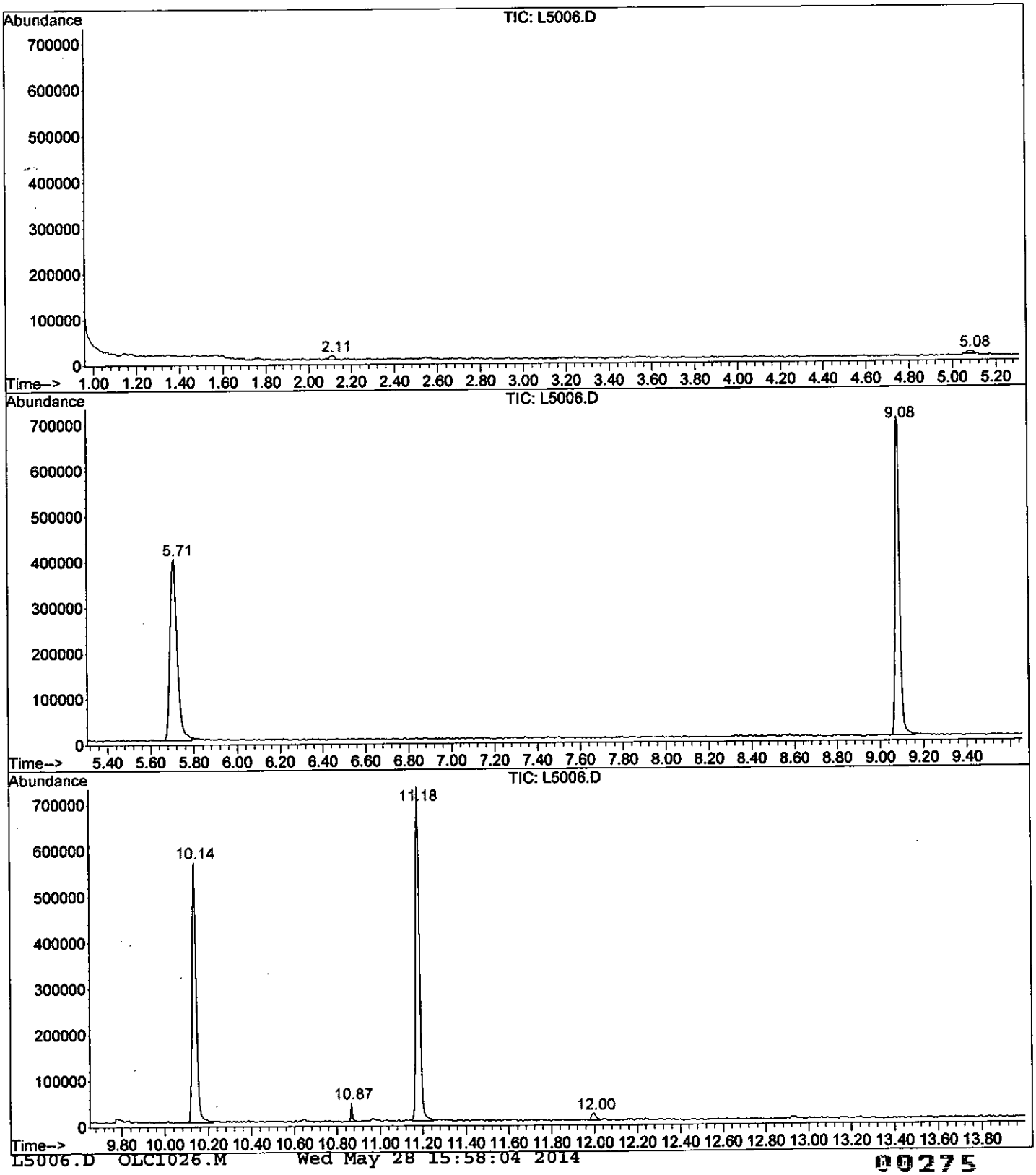
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.110	186	190	193	rVB5	8646	14445	1.47%	0.404%
2	5.084	674	679	683	rBV6	6754	13818	1.41%	0.386%
3	5.710	774	782	795	rBV	396624	899461	91.51%	25.135%
4	9.079	1331	1336	1350	rBV	698862	982962	100.00%	27.468%
5	10.137	1505	1510	1524	rBV	565002	719040	73.15%	20.093%
6	10.867	1629	1630	1635	rVB	39782	19704	2.00%	0.551%
7	11.177	1676	1681	1693	rVB	723790	905045	92.07%	25.291%
8	11.998	1812	1816	1821	rBV6	14788	24105	2.45%	0.674%

Sum of corrected areas: 3578580

L5006.D OLC1026.M Wed May 28 15:58:00 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D
Operator : D.Lipani
Acquired : 22 May 2014 10:51 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-022|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 43
Quant File :OLC1026.RES (RTE Integrator)



L5006.D OLC1026.M Wed May 28 15:58:04 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 10:51 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D
Name: R1403523-022|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5006.D OLC1026.M Wed May 28 15:58:04 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14
Date Analyzed: 5/22/14 11:27

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**5.1**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.49**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1600
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 11:27
Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	R1403523-023	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	5.3		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 11:27	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1127

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	R1403523-023	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D Vial: 44
Acq On : 22 May 2014 11:27 am Operator: D.Lipani
Sample : R1403523-023|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 11:45 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	377096	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	319012	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	143785	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	119832	4.67	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.40%			
Target Compounds						Qvalue
7) Acetone	1.76	43	1329	0.75	ug/L	80
16) Chloroform	3.54	83	~~19856~~ 20751	~~0.47 ug/L~~ 0.49m		96
21) Carbontetrachloride	5.09	117	167840	5.10	ug/L	97
24) Trichloroethene	6.16	95	142095	5.34	ug/L	97

DL 5/28/14

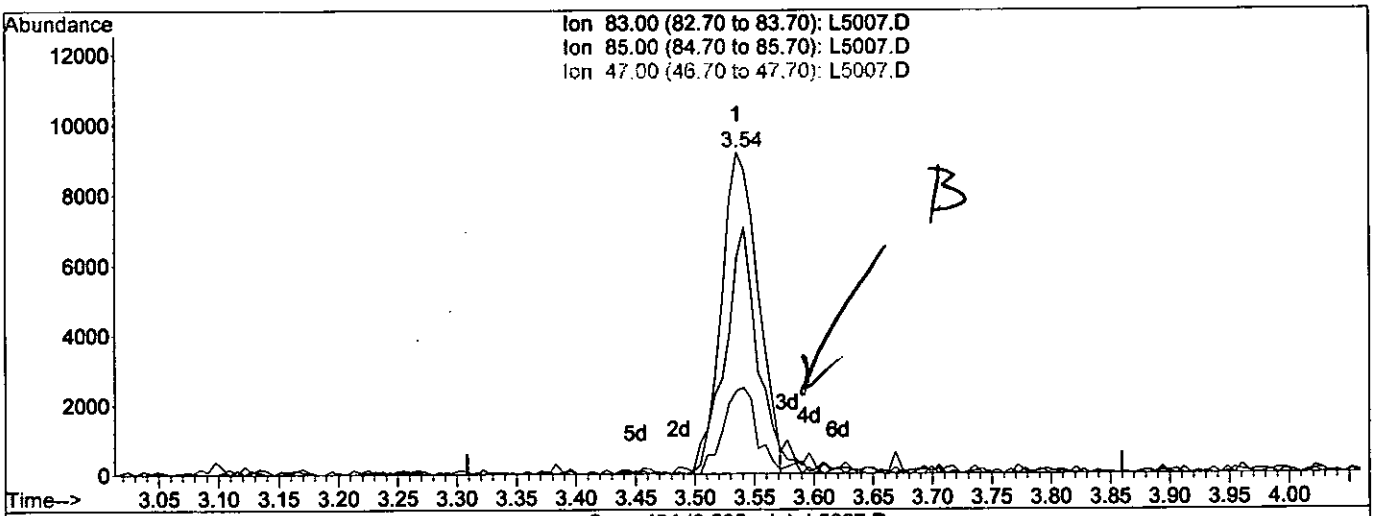
BV 05/29/14

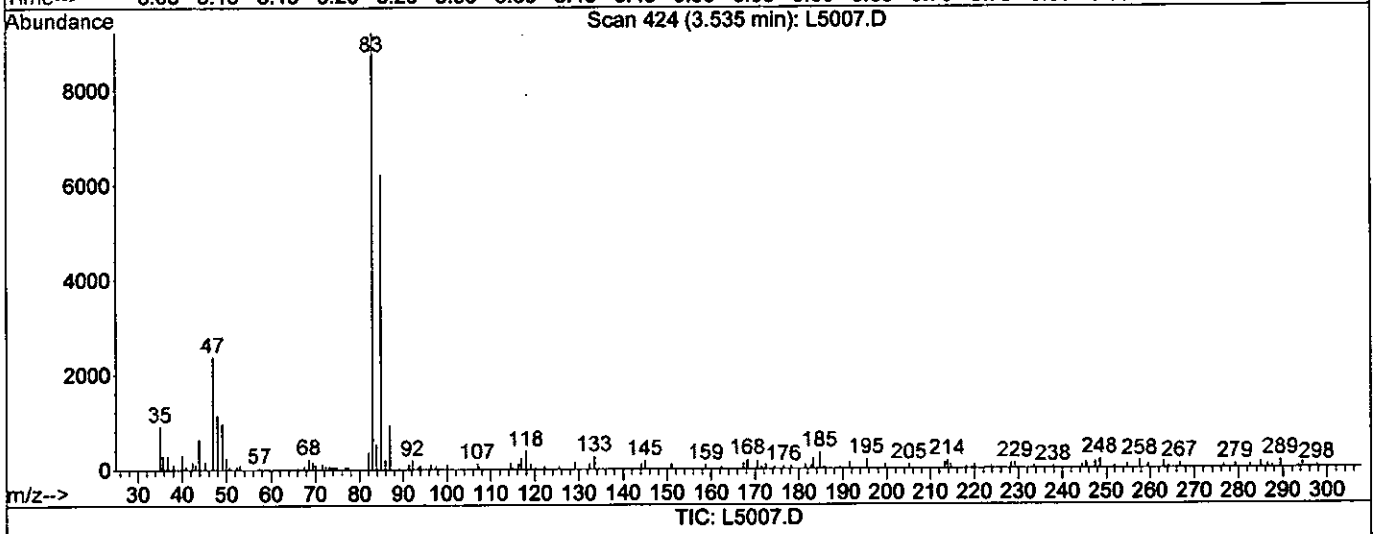
(#) = qualifier out of range (m) = manual integration
L5007.D OLC1026.M Thu May 22 11:45:29 2014 Page 1

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D Vial: 44
Acq On : 22 May 2014 11:27 am Operator: D.Lipani
Sample : R1403523-023|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 11:45 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration





TIC: L5007.D

(16) Chloroform

3.54min 0.47ug/L

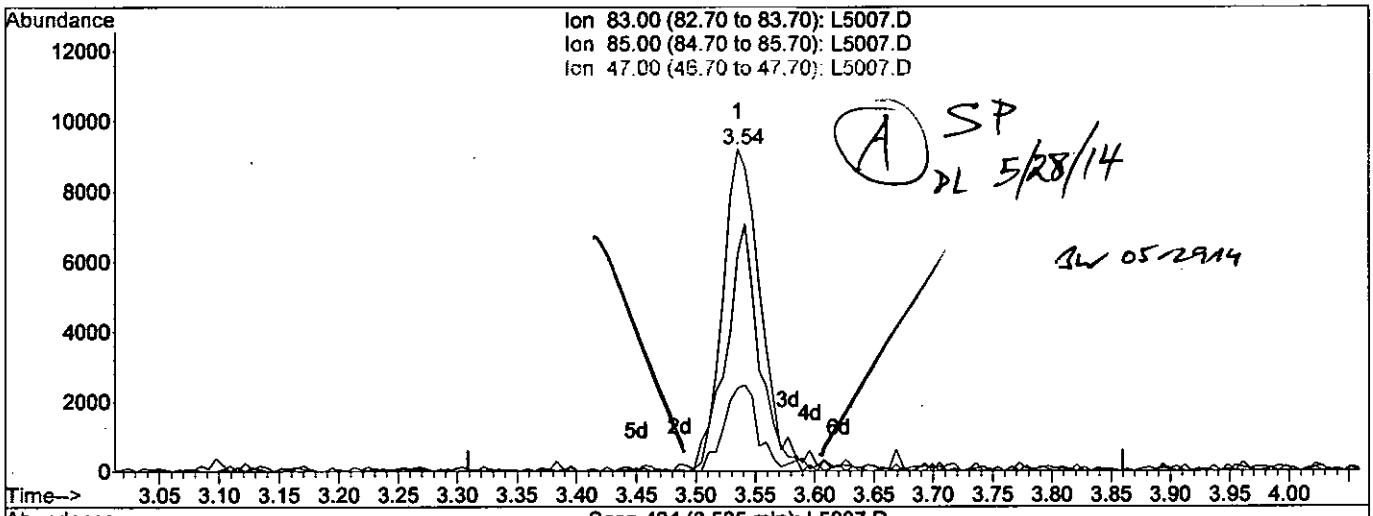
response 19856

Ion	Exp%	Act%
83.00	100	100
85.00	64.60	67.45
47.00	23.60	25.87
0.00	0.00	0.00

Quantitation Report (Qedit)

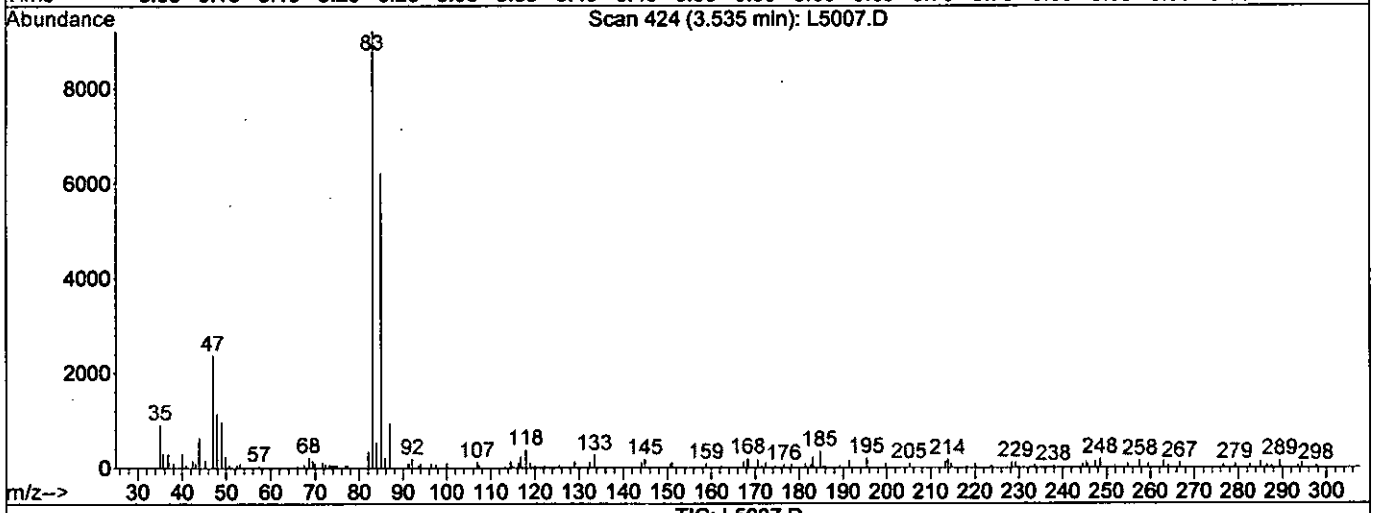
Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D Vial: 44
Acq On : 22 May 2014 11:27 am Operator: D:Lipani
Sample : R1403523-023|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 28 15:58 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration



A SP DL 5/28/14

JW 05-29-14



TIC: L5007.D

(16) Chloroform

3.54min 0.49ug/L m

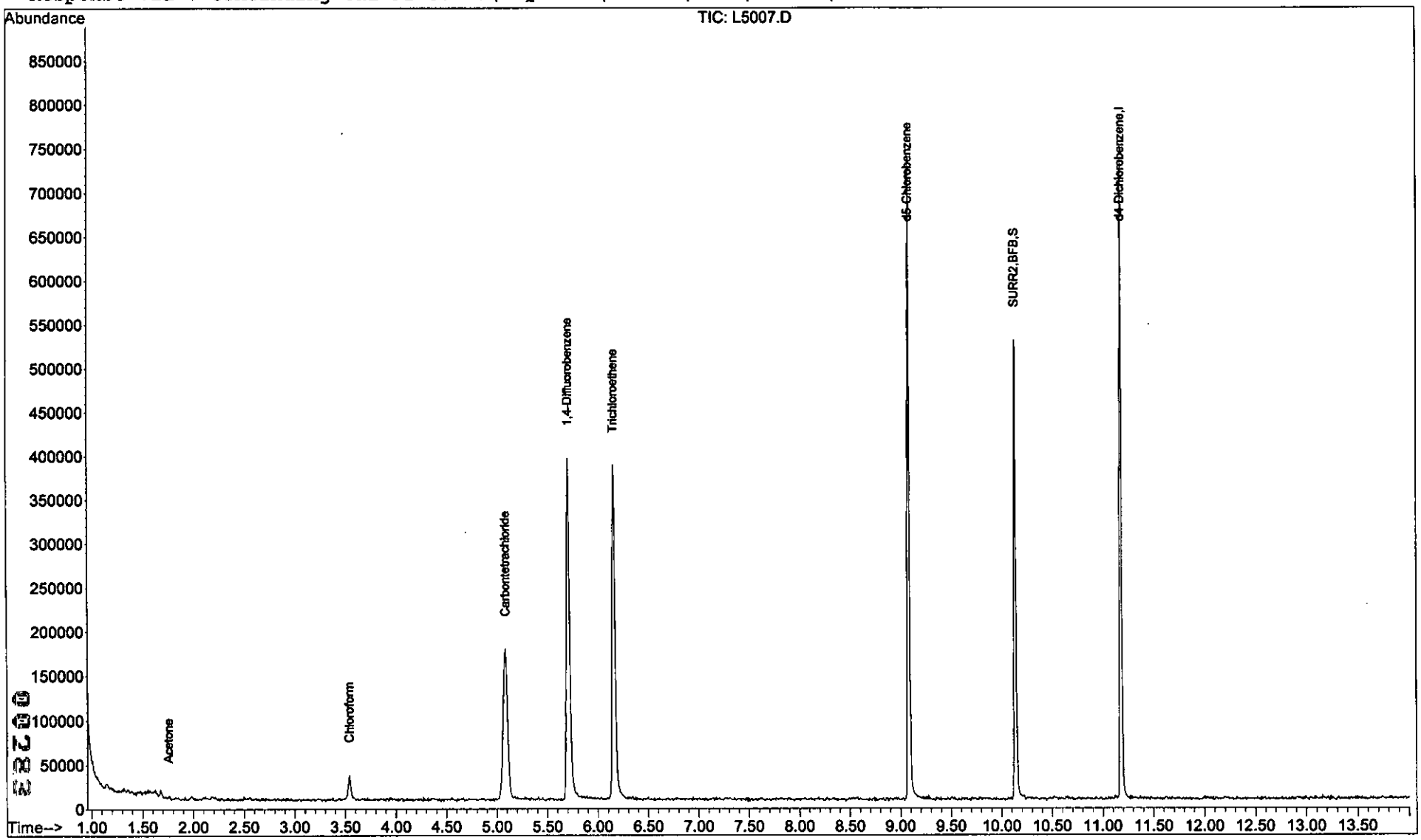
response 20751

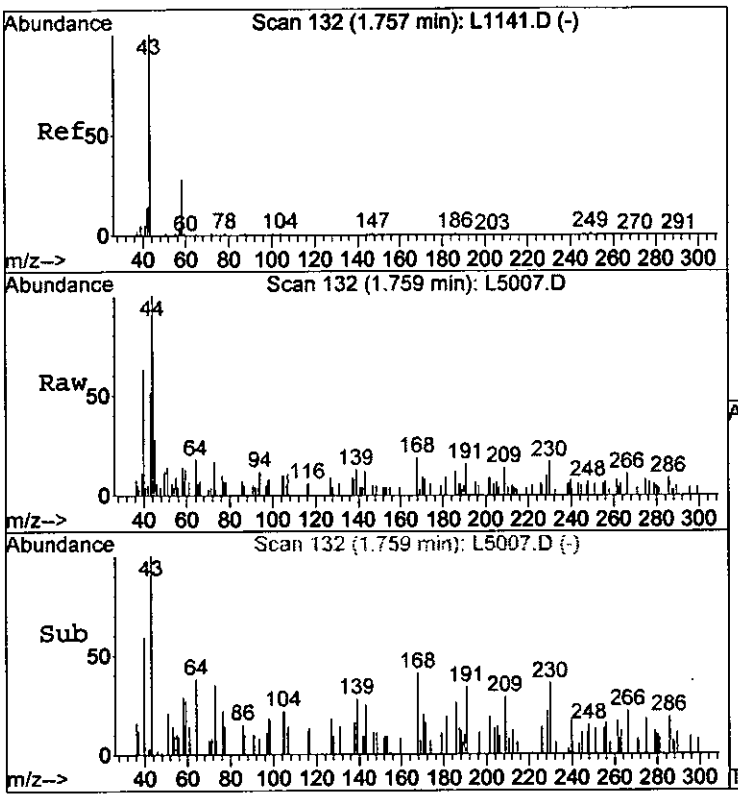
Ion	Exp%	Act%
83.00	100	100
85.00	64.60	67.45
47.00	23.60	25.87
0.00	0.00	0.00

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D Vial: 44
Acq On : 22 May 2014 11:27 am Operator: D.Lipani
Sample : R1403523-023|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 11:45 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

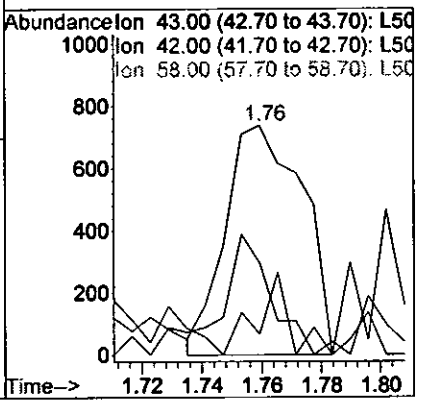


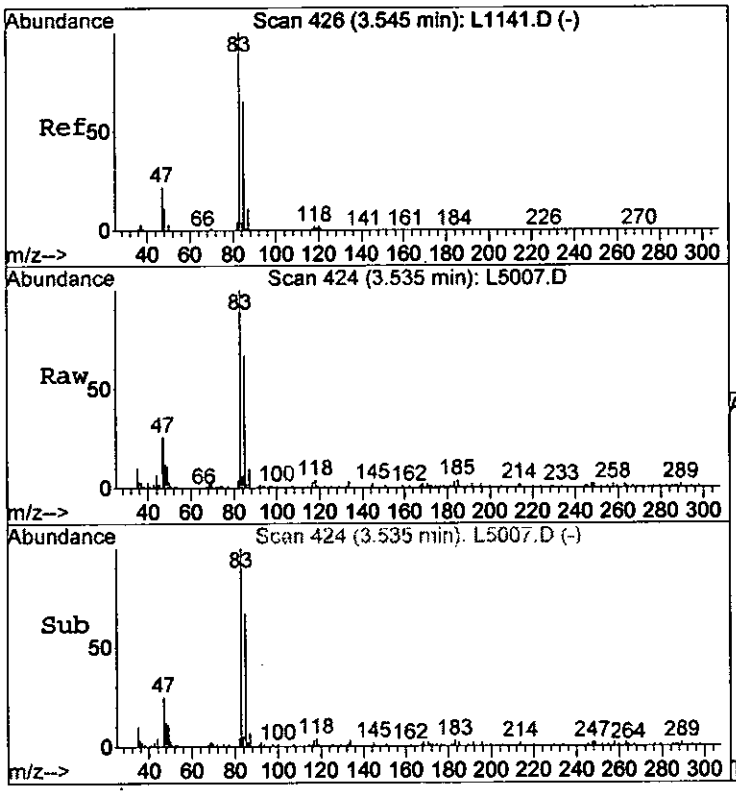


#7
Acetone
Concen: 0.75 ug/L
RT: 1.76 min Scan# 132
Delta R.T. 0.00 min
Lab File: L5007.D
Acq: 22 May 2014 11:27 am

Tgt Ion: 43 Resp: 1329

Ion	Ratio	Lower	Upper
43	100		
42	9.1	0.0	44.7
58	40.1	0.0	57.9

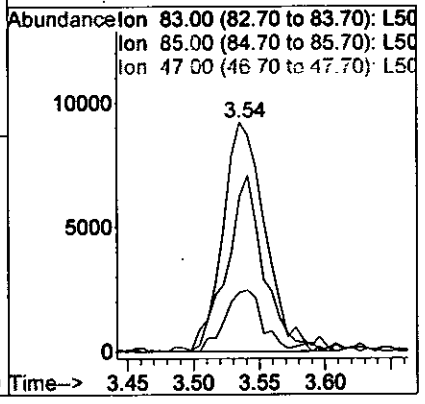


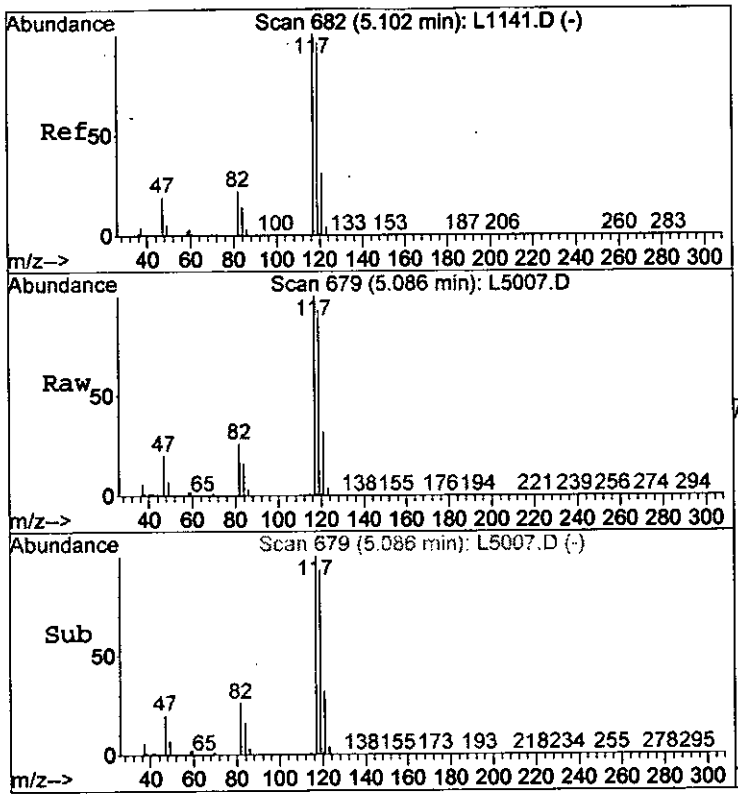


#16
Chloroform
Concen: 0.49 ug/L m
RT: 3.54 min Scan# 424
Delta R.T. 0.00 min
Lab File: L5007.D
Acq: 22 May 2014 11:27 am

Tgt Ion: 83 Resp: 20751

Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.7	77.5
47	25.9	18.9	28.3

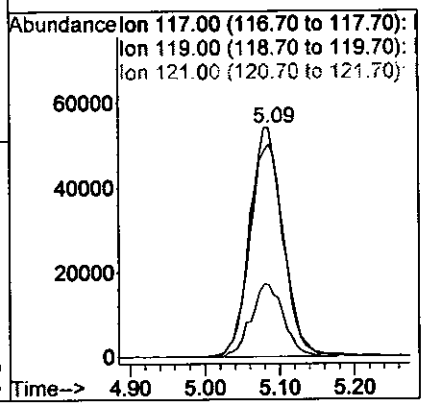


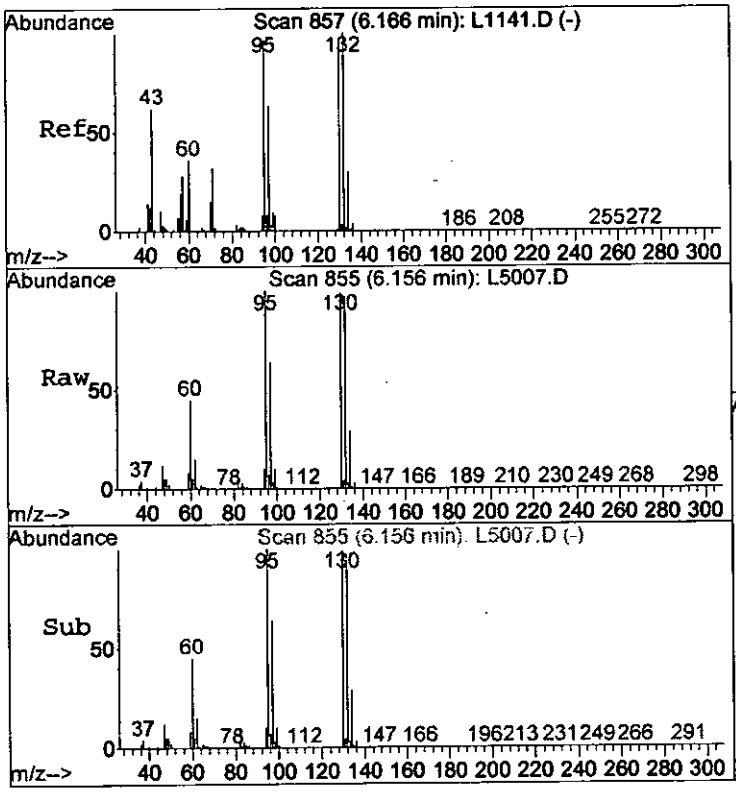


#21
Carbontetrachloride
Concen: 5.10 ug/L
RT: 5.09 min Scan# 679
Delta R.T. 0.00 min
Lab File: L5007.D
Acq: 22 May 2014 11:27 am

Tgt Ion:117 Resp: 167840

Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.8	115.2
121	31.5	24.4	36.6

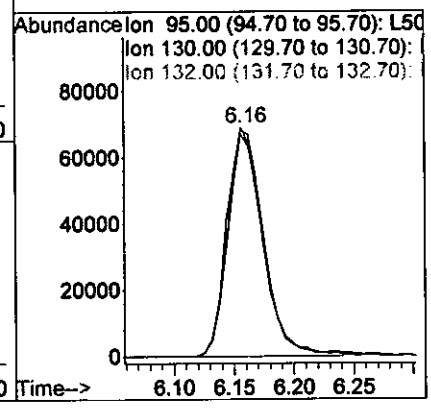




#24
Trichloroethene
Concen: 5.34 ug/L
RT: 6.16 min Scan# 855
Delta R.T. 0.00 min
Lab File: L5007.D
Acq: 22 May 2014 11:27 am

Tgt Ion: 95 Resp: 142095

Ion	Ratio	Lower	Upper
95	100		
130	102.1	82.9	124.3
132	98.6	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D Vial: 44
Acq On : 22 May 2014 11:27 am Operator: D.Lipani
Sample : R1403523-023|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

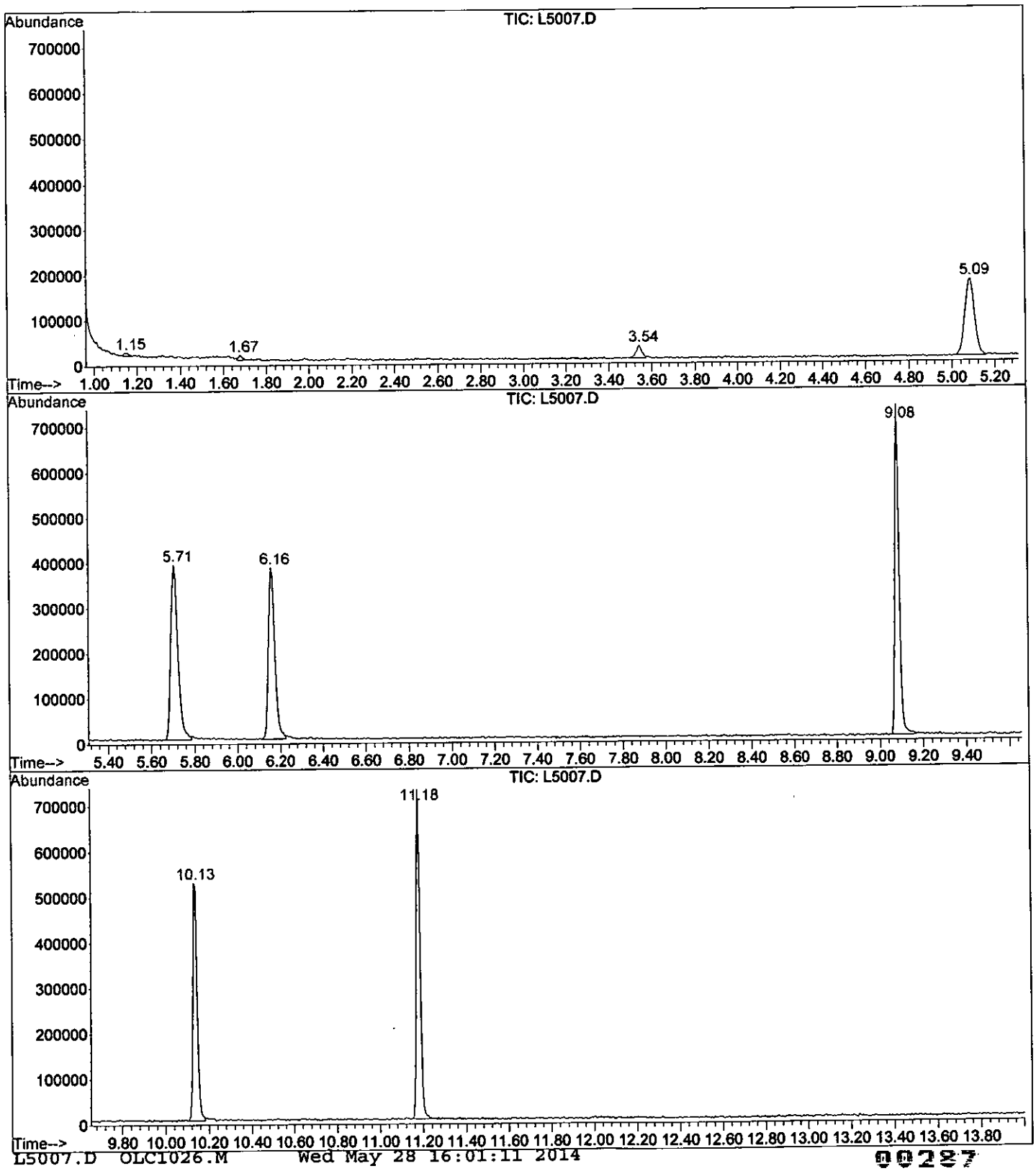
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.151	29	32	36	rVB6	6202	9968	1.02%	0.208%
2	1.674	116	118	123	rVB2	9947	12838	1.32%	0.267%
3	3.541	417	425	430	rBV	27745	51097	5.25%	1.064%
4	5.086	667	679	691	rBV	169186	527051	54.16%	10.972%
5	5.706	774	781	794	rBV	386667	873961	89.81%	18.193%
6	6.156	847	855	866	rBV2	378881	785453	80.72%	16.351%
7	9.081	1331	1336	1350	rBV	729896	973074	100.00%	20.256%
8	10.133	1504	1509	1517	rBV	521982	691092	71.02%	14.386%
9	11.179	1676	1681	1693	rVB	722030	879277	90.36%	18.304%

Sum of corrected areas: 4803811

L5007.D OLC1026.M Wed May 28 16:01:07 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D
Operator : D.Lipani
Acquired : 22 May 2014 11:27 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-023|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 44
Quant File :OLC1026.RES (RTE Integrator)



L5007.D OLC1026.M Wed May 28 16:01:11 2014

00287

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 11:27 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D
Name: R1403523-023|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5007.D OLC1026.M Wed May 28 16:01:11 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 12:03
Sample Name:	TRIP BLANK 2	**Units:**	µg/L
Lab Code:	R1403523-024	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 12:03
Sample Name:	TRIP BLANK 2	**Units:**	µg/L
Lab Code:	R1403523-024	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**0.19**	J	1.0	0.10	
95-47-6	o-Xylene	1.0	**U**	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 12:03	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1203

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	TRIP BLANK 2	**Units:**	µg/L
Lab Code:	R1403523-024	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D Vial: 45
Acq On : 22 May 2014 12:03 pm Operator: D.Lipani
Sample : R1403523-024|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 12:21 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	388758	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	316745	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	142790	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	122715	4.63	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 92.60%			
Target Compounds						Qvalue
7) Acetone	1.76	43	1443	0.79	ug/L	79
9) Methylene Chloride	2.07	84	3979	0.19	ug/L	97
~~46) 1,2-Dibromo-3-chloropropan~~	~~11.83~~	~~75~~	~~204~~	~~0.13~~	~~ug/L #~~	~~1~~

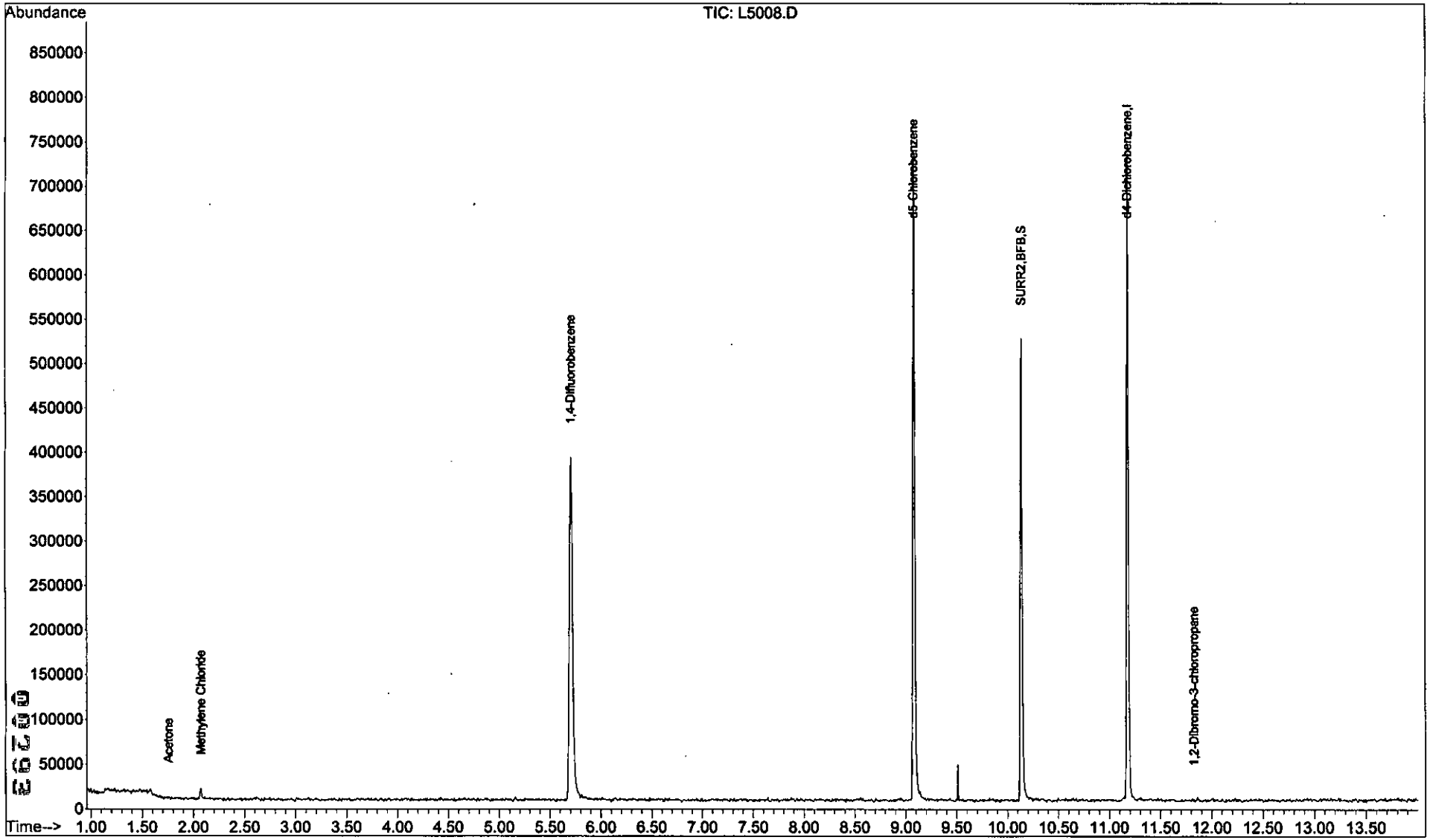
DL 5/28/14

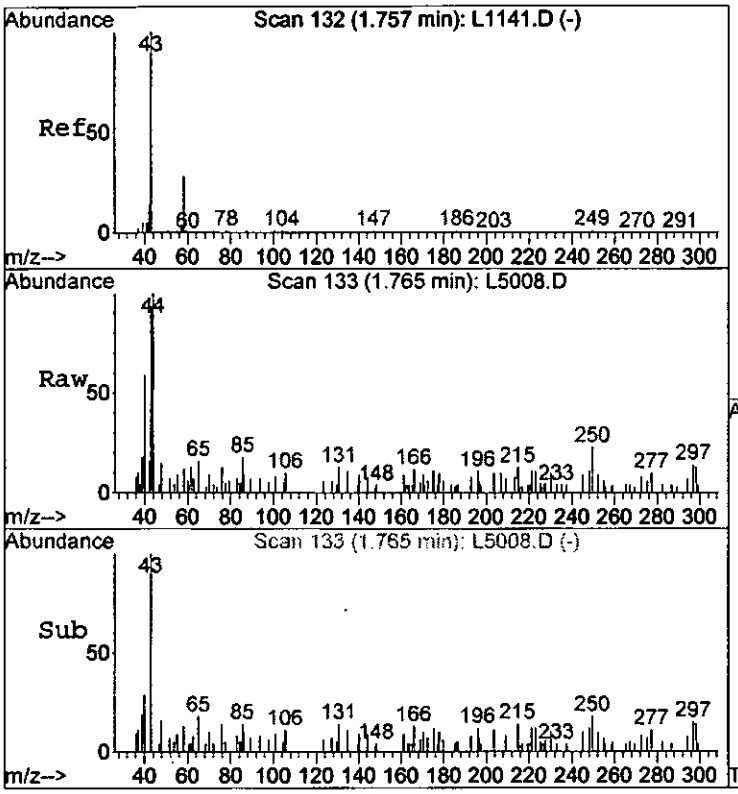
(#) = qualifier out of range (m) = manual integration
L5008.D OLC1026.M Thu May 22 12:21:32 2014 Page 1

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D Vial: 45
Acq On : 22 May 2014 12:03 pm Operator: D.Lipani
Sample : R1403523-024|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 12:21 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

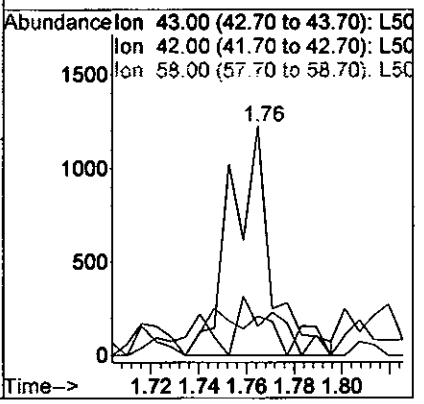


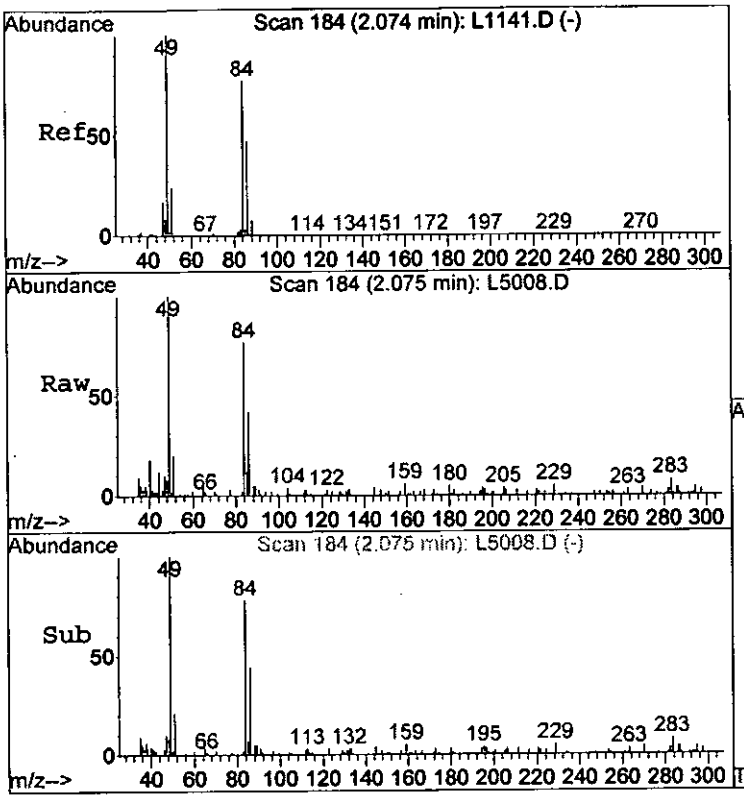


#7
Acetone
Concen: 0.79 ug/L
RT: 1.76 min Scan# 133
Delta R.T. 0.01 min
Lab File: L5008.D
Acq: 22 May 2014 12:03 pm

Tgt Ion: 43 Resp: 1443

Ion	Ratio	Lower	Upper
43	100		
42	17.1	0.0	44.7
58	12.7	0.0	57.9

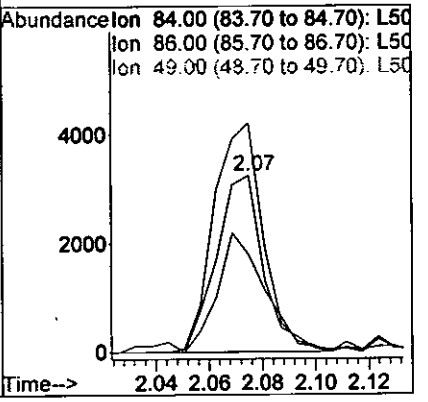




#9
Methylene Chloride
Concen: 0.19 ug/L
RT: 2.07 min Scan# 184
Delta R.T. 0.00 min
Lab File: L5008.D
Acq: 22 May 2014 12:03 pm

Tgt Ion: 84 Resp: 3979

Ion	Ratio	Lower	Upper
84	100		
86	55.0	49.1	73.7
49	129.8	104.3	156.5



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D Vial: 45
Acq On : 22 May 2014 12:03 pm Operator: D.Lipani
Sample : R1403523-024|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

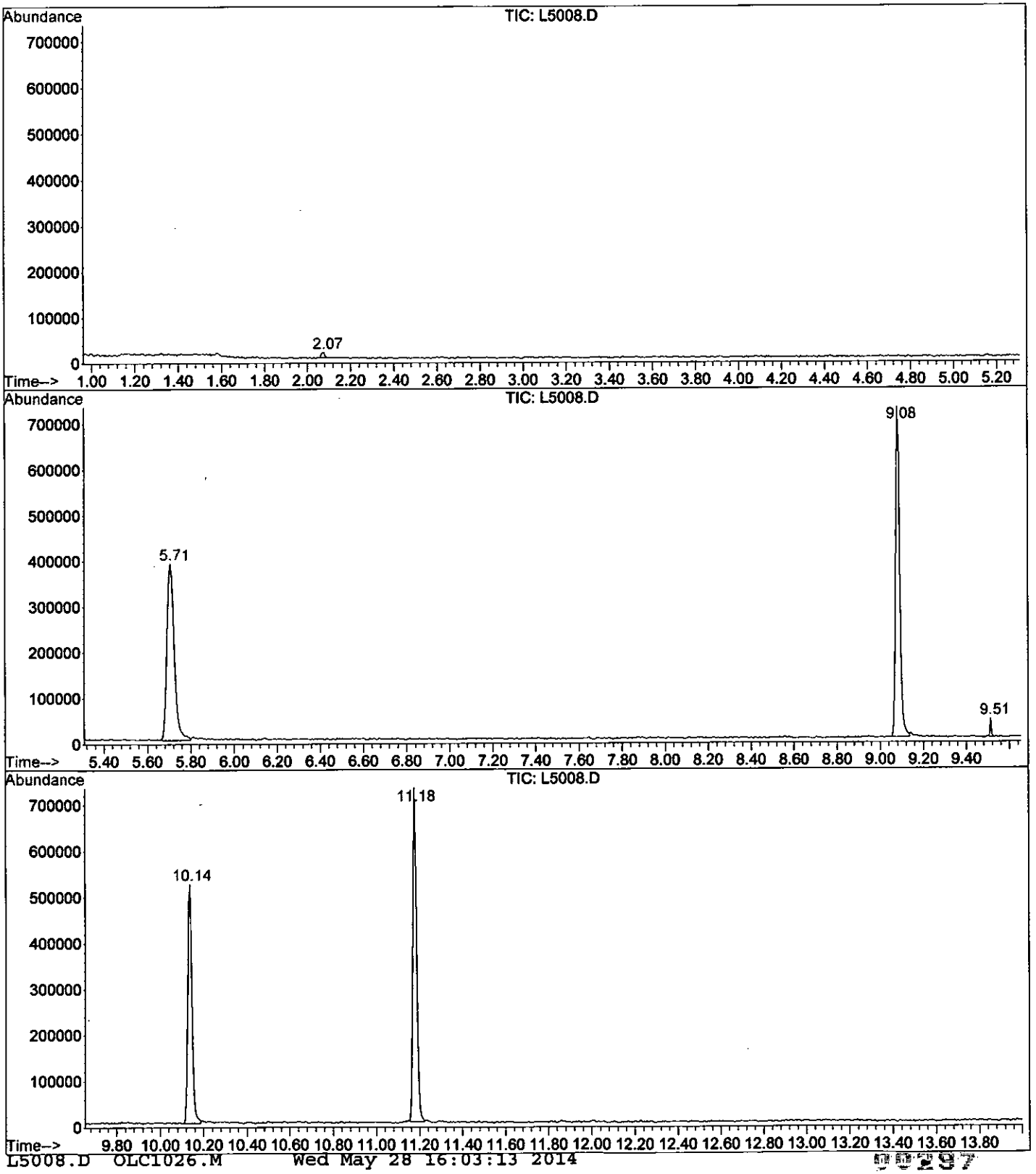
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.075	180	184	189	rBV2	12035	14975	1.55%	0.434%
2	5.706	773	781	796	rBV2	386249	897030	92.65%	26.012%
3	9.081	1331	1336	1345	rBV	723443	968186	100.00%	28.075%
4	9.512	1406	1407	1409	rVB	40278	16245	1.68%	0.471%
5	10.139	1505	1510	1518	rBV	519330	686809	70.94%	19.916%
6	11.179	1677	1681	1688	rBV	724867	865291	89.37%	25.092%

Sum of corrected areas: 3448536

L5008.D OLC1026.M Wed May 28 16:03:09 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D
Operator : D.Lipani
Acquired : 22 May 2014 12:03 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-024|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 45
Quant File :OLC1026.RES (RTE Integrator)



L5008.D OLC1026.M Wed May 28 16:03:13 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 12:03 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D
Name: R1403523-024|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5008.D OLC1026.M Wed May 28 16:03:13 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 12:38
Sample Name:	DUP-1	**Units:**	µg/L
Lab Code:	R1403523-025	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.3**	J	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**6.2**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.56**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 12:38
Sample Name:	DUP-1	**Units:**	µg/L
Lab Code:	R1403523-025	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.7		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	80-120	5/22/14 12:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1238

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DUP-1	**Units:**	µg/L
Lab Code:	R1403523-025	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D Vial: 46
Acq On : 22 May 2014 12:38 pm Operator: D.Lipani
Sample : R1403523-025|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 12:57 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	372848	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.09	117	318005	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	139430	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	120140	4.73	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 94.60%			
Target Compounds						Qvalue
7) Acetone	1.76	43	2341	1.33	ug/L	94
16) Chloroform	3.53	83	23310	0.56	ug/L	95
21) Carbontetrachloride	5.08	117	203851	6.22	ug/L	92
24) Trichloroethene	6.16	95	44831	1.69	ug/L	97

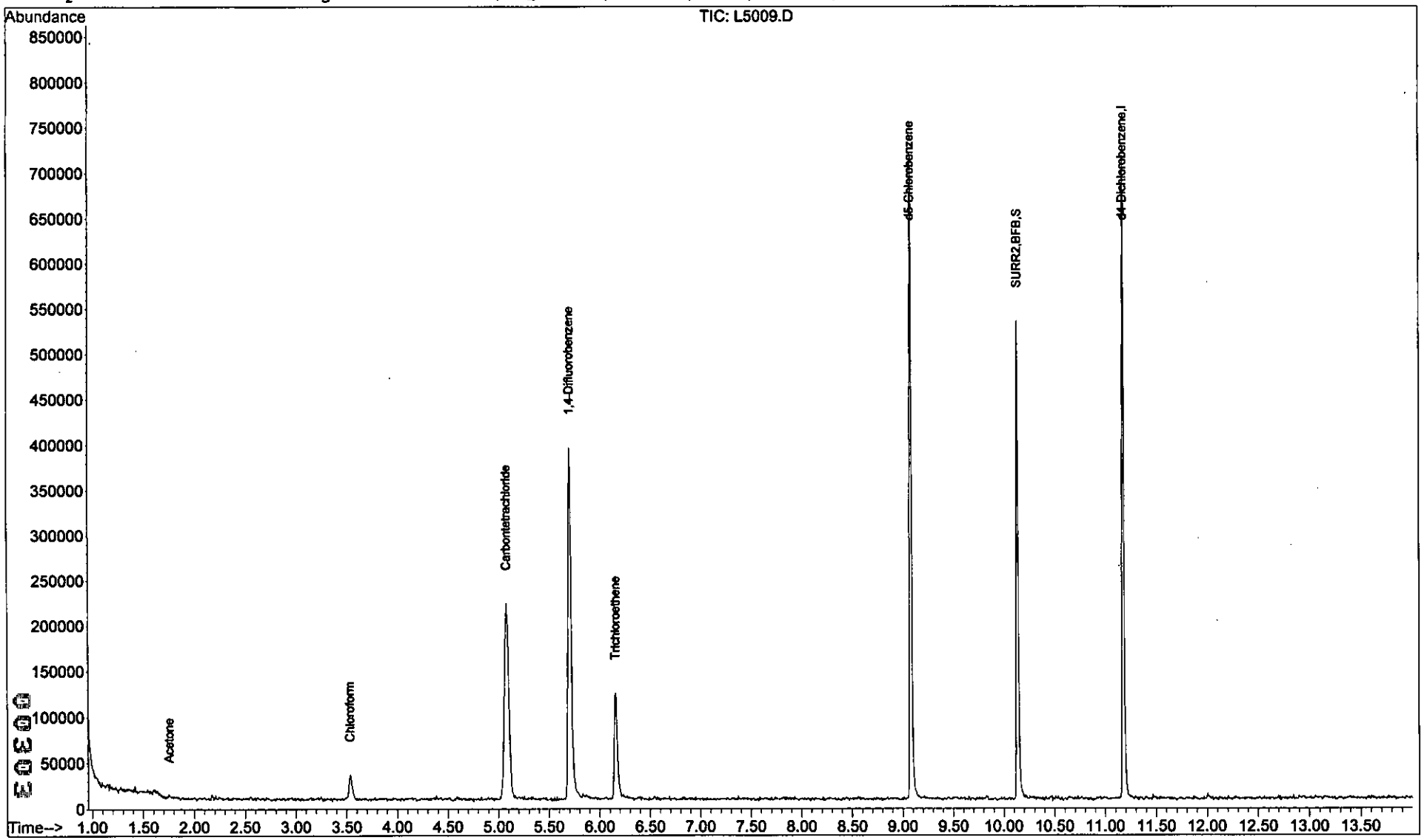
DL 5/28/14

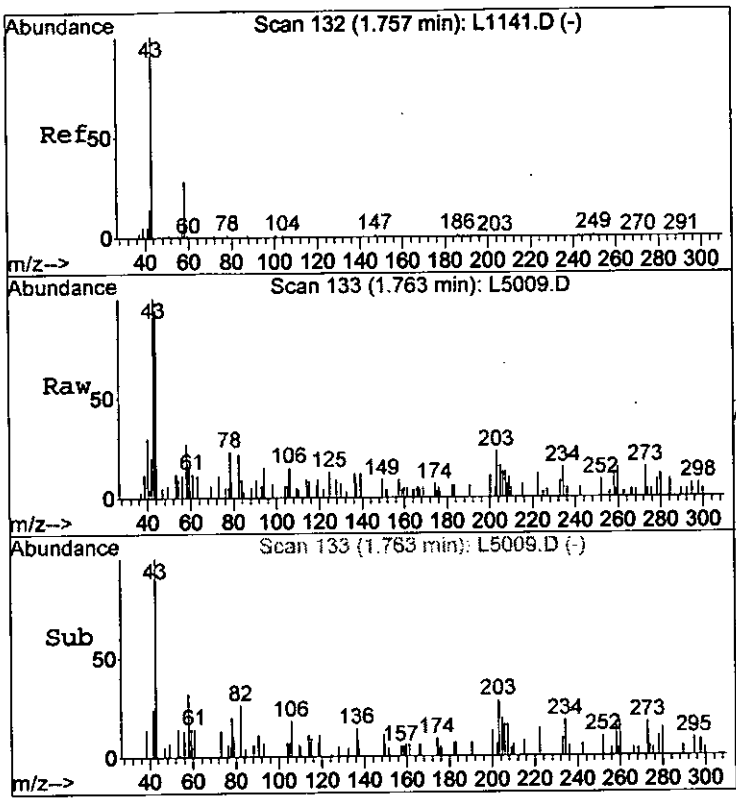
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D Vial: 46
Acq On : 22 May 2014 12:38 pm Operator: D.Lipani
Sample : R1403523-025|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 12:57 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D

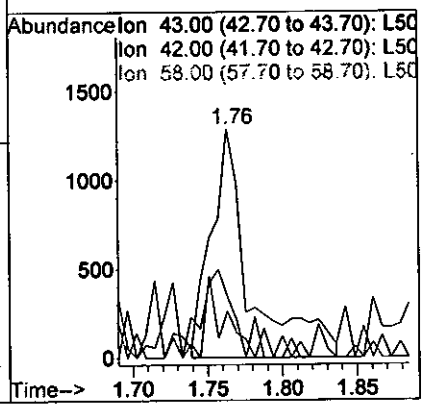


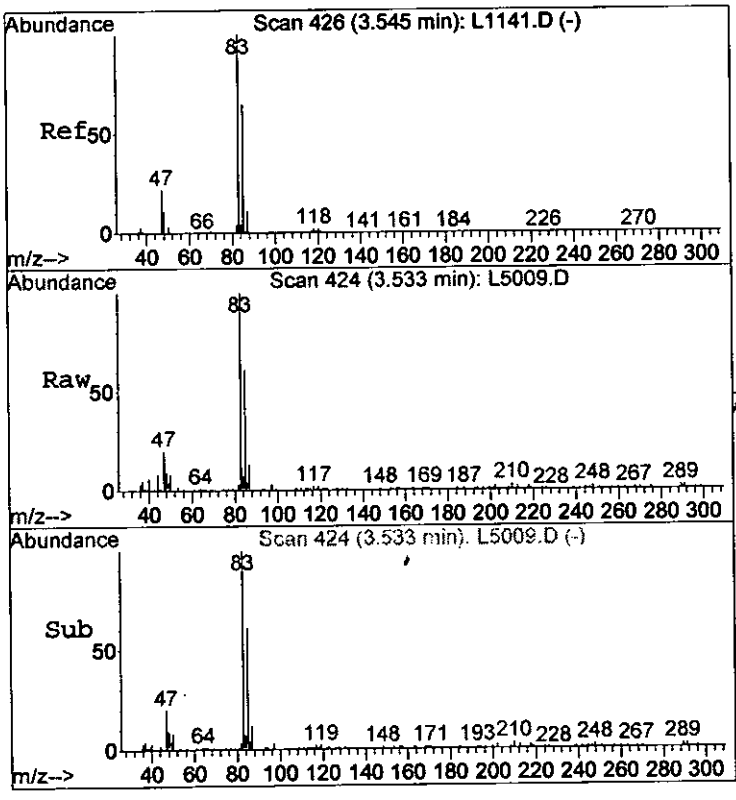


#7
Acetone
Concen: 1.33 ug/L
RT: 1.76 min Scan# 133
Delta R.T. 0.01 min
Lab File: L5009.D
Acq: 22 May 2014 12:38 pm

Tgt Ion: 43 Resp: 2341

Ion	Ratio	Lower	Upper
43	100		
42	20.4	0.0	44.7
58	26.8	0.0	57.9

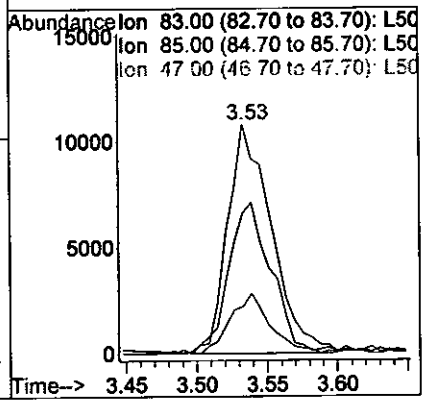


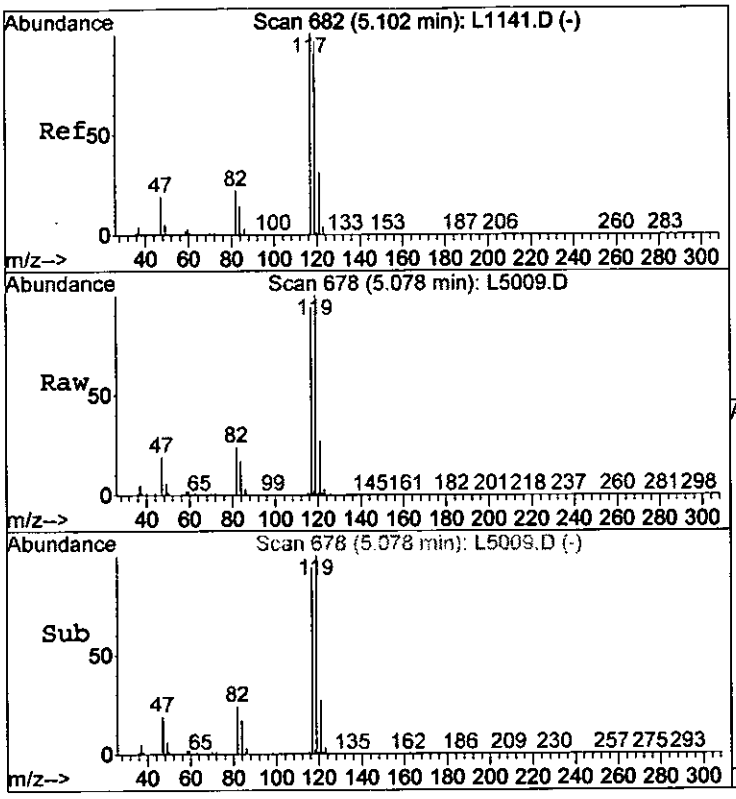


#16
Chloroform
Concen: 0.56 ug/L
RT: 3.53 min Scan# 424
Delta R.T. 0.00 min
Lab File: L5009.D
Acq: 22 May 2014 12:38 pm

Tgt Ion: 83 Resp: 23310

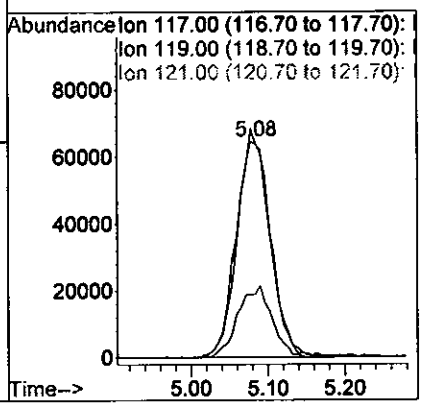
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.7	77.5
47	20.4	18.9	28.3

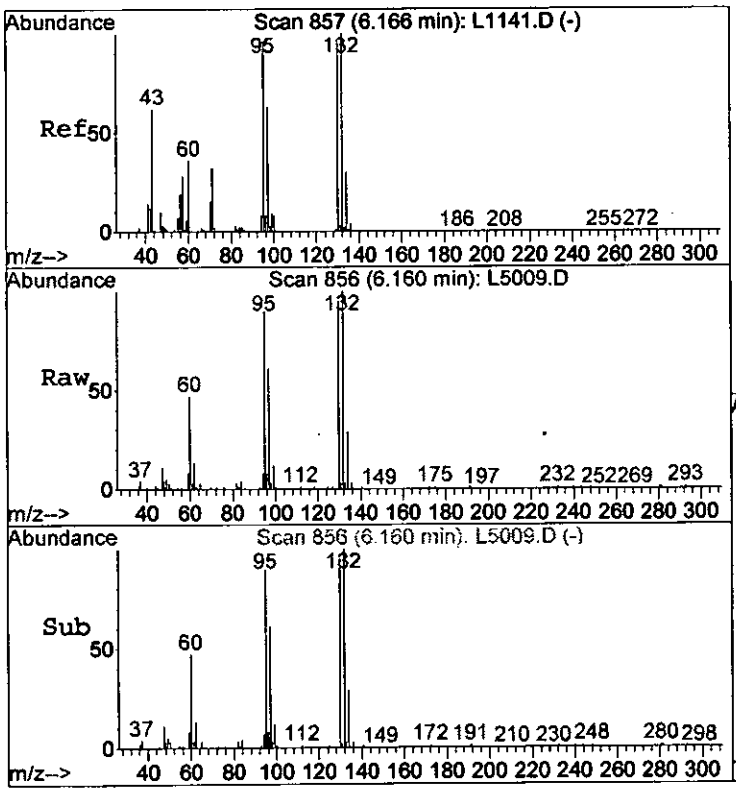




#21
Carbontetrachloride
Concen: 6.22 ug/L
RT: 5.08 min Scan# 678
Delta R.T. -0.01 min
Lab File: L5009.D
Acq: 22 May 2014 12:38 pm

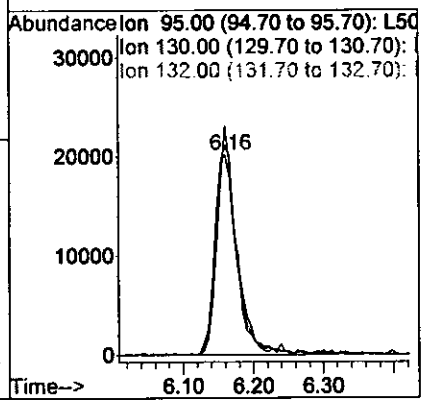
Tgt Ion:117	Resp:	203851	
Ion	Ratio	Lower	Upper
117	100		
119	105.9	76.8	115.2
121	29.1	24.4	36.6





#24
Trichloroethene
Concen: 1.69 ug/L
RT: 6.16 min Scan# 856
Delta R.T. 0.01 min
Lab File: L5009.D
Acq: 22 May 2014 12:38 pm

Tgt Ion: 95	Resp:	44831	
Ion	Ratio	Lower	Upper
95	100		
130	101.2	82.9	124.3
132	98.6	82.2	123.2



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D
Acq On : 22 May 2014 12:38 pm
Sample : R1403523-025|1.0
Misc : CB&I OLC 2.1 7042 T4
MS Integration Params: LSCINT.P

Vial: 46
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Signal : TIC

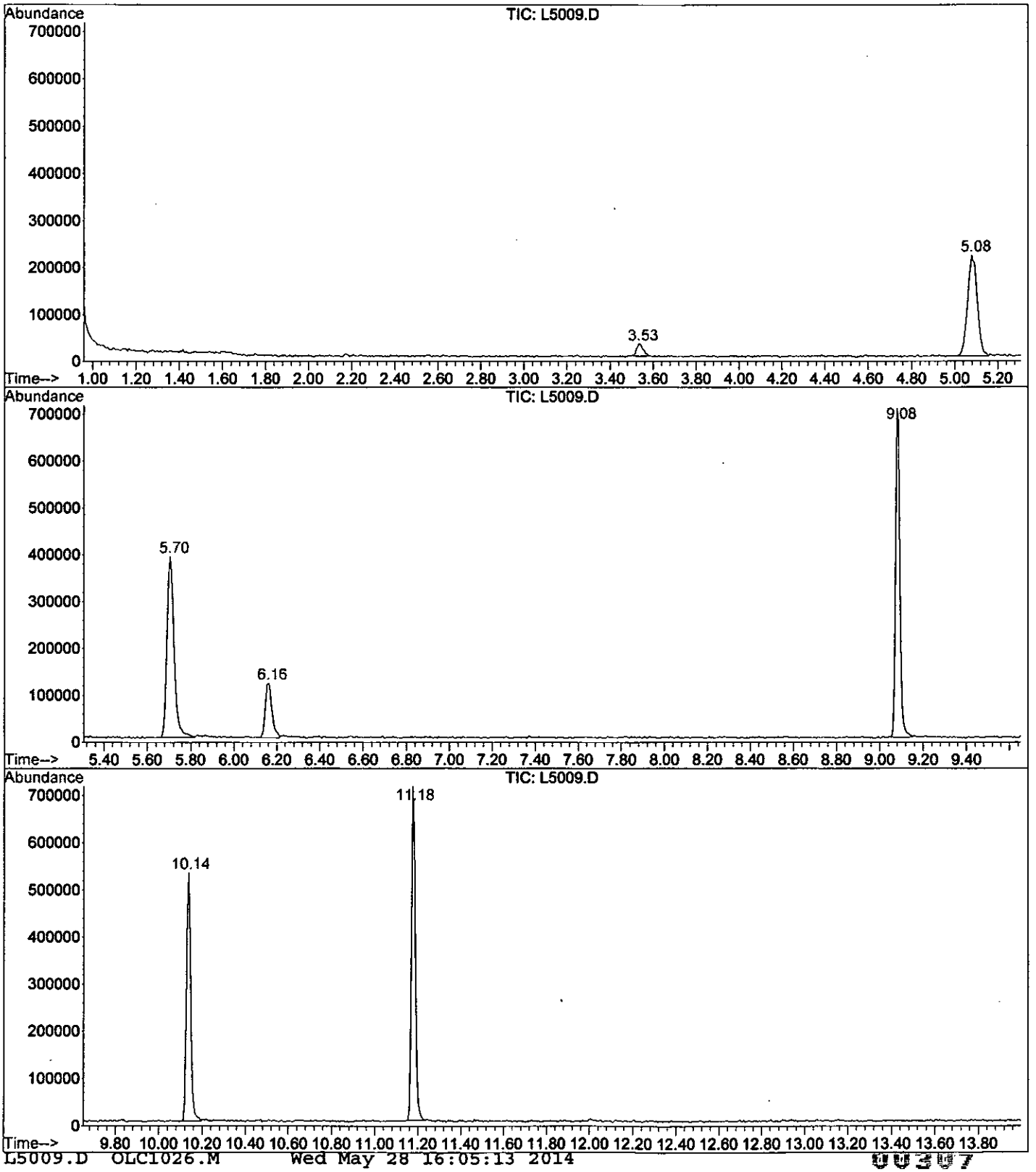
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.533	420	424	433	rVB2	25991	55007	5.69%	1.257%
2	5.078	667	678	691	rBV3	215132	664566	68.72%	15.192%
3	5.704	773	781	800	rBV2	386169	872296	90.20%	19.940%
4	6.160	848	856	865	rBV2	116481	249617	25.81%	5.706%
5	9.079	1331	1336	1348	rBV	701616	967063	100.00%	22.107%
6	10.137	1505	1510	1520	rBV	525615	691198	71.47%	15.800%
7	11.177	1677	1681	1691	rBV	706692	874814	90.46%	19.998%

Sum of corrected areas: 4374561

L5009.D OLC1026.M Wed May 28 16:05:09 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D
Operator : D.Lipani
Acquired : 22 May 2014 12:38 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-025|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 46
Quant File :OLC1026.RES (RTE Integrator)



L5009.D OLC1026.M Wed May 28 16:05:13 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 12:38 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D
Name: R1403523-025|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5009.D OLC1026.M Wed May 28 16:05:13 2014

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 23:23
Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**4.7**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	**0.45**	J	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 23:23
Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.5**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 23:23	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 2323

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D Vial: 18
Acq On : 22 May 2014 11:23 pm Operator: D.Lipani
Sample : R1403523-026|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 23:41 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	372250	5.00 ug/L	0.00
19) d5-Chlorobenzene	9.08	117	308829	5.00 ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	136783	5.00 ug/L	0.00
System Monitoring Compounds					
18) SURR2,BFB	10.14	174	123078	4.64 ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 92.80%		
Target Compounds	1.77		1456	0.78m Qvalue	
7) Acetone	~~1.75~~	43	~~815~~	~~0.44 ug/L~~	76
16) Chloroform	3.54	83	19989	0.45 ug/L	88
21) Carbontetrachloride	5.08	117	159254	4.69 ug/L	99
24) Trichloroethene	6.16	95	146912	5.48 ug/L	95

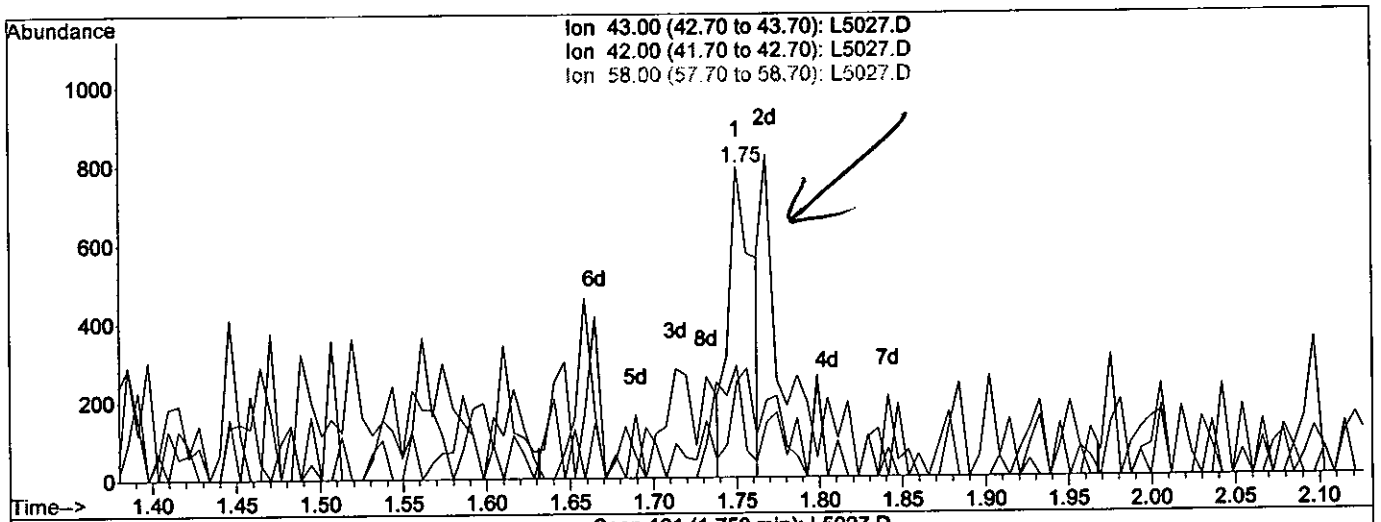
DL 5/29/14

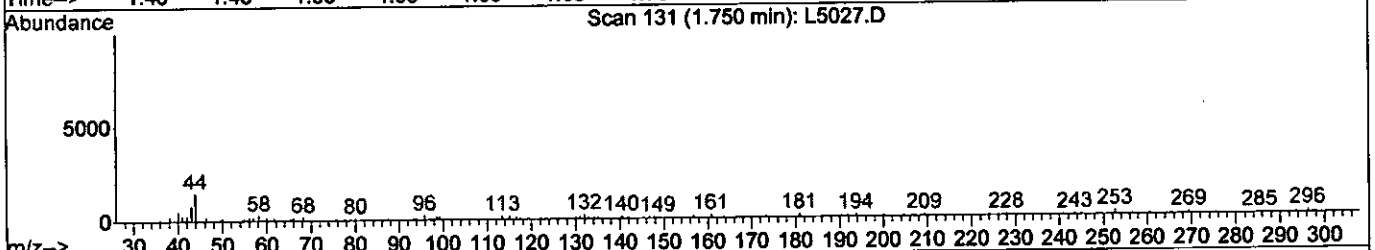
(#) = qualifier out of range (m) = manual integration
L5027.D OLC1026.M Thu May 22 23:41:31 2014

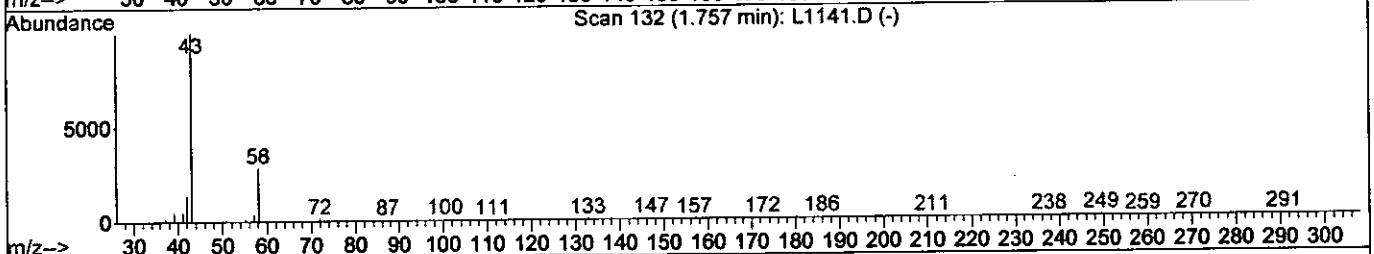
Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D Vial: 18
Acq On : 22 May 2014 11:23 pm Operator: D.Lipani
Sample : R1403523-026|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 23:41 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration







TIC: L5027.D

(7) Acetone

1.75min 0.44ug/L

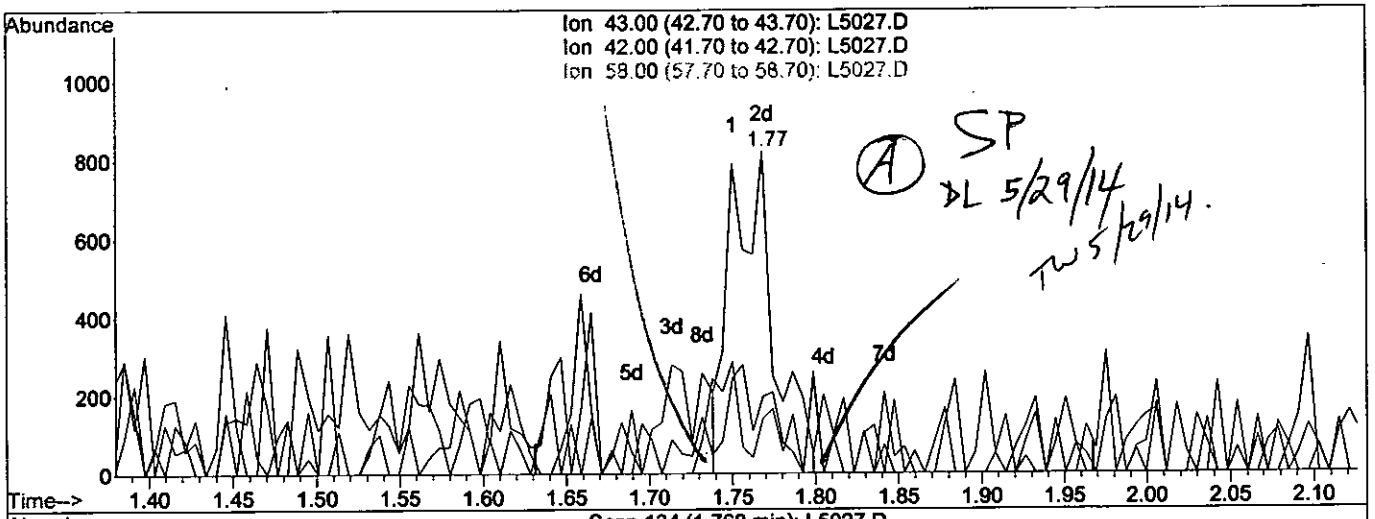
response 815

Ion	Exp%	Act%
43.00	100	100
42.00	14.70	30.81
58.00	27.90	38.11
0.00	0.00	0.00

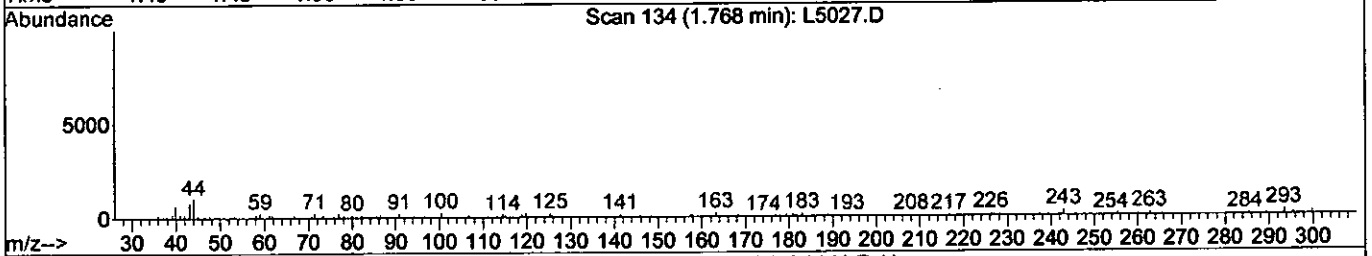
Quantitation Report (Qedit)

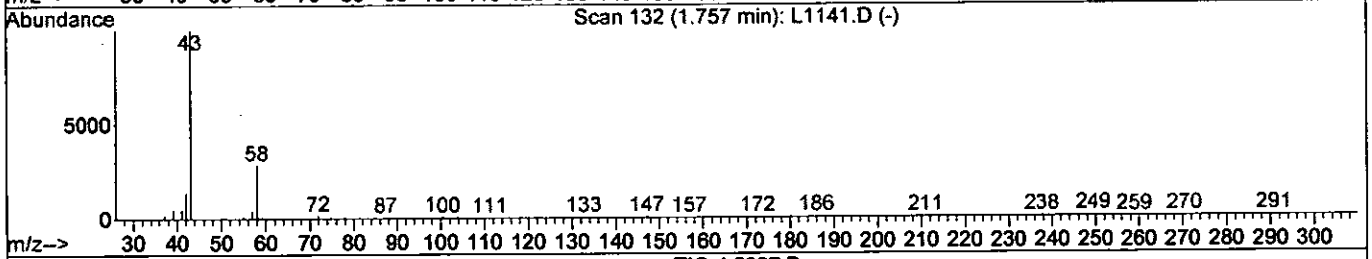
Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D Vial: 18
Acq On : 22 May 2014 11:23 pm Operator: D.Lipani
Sample : R1403523-026|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 29 13:41 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration



SP
DL 5/29/14
TW 5/29/14.





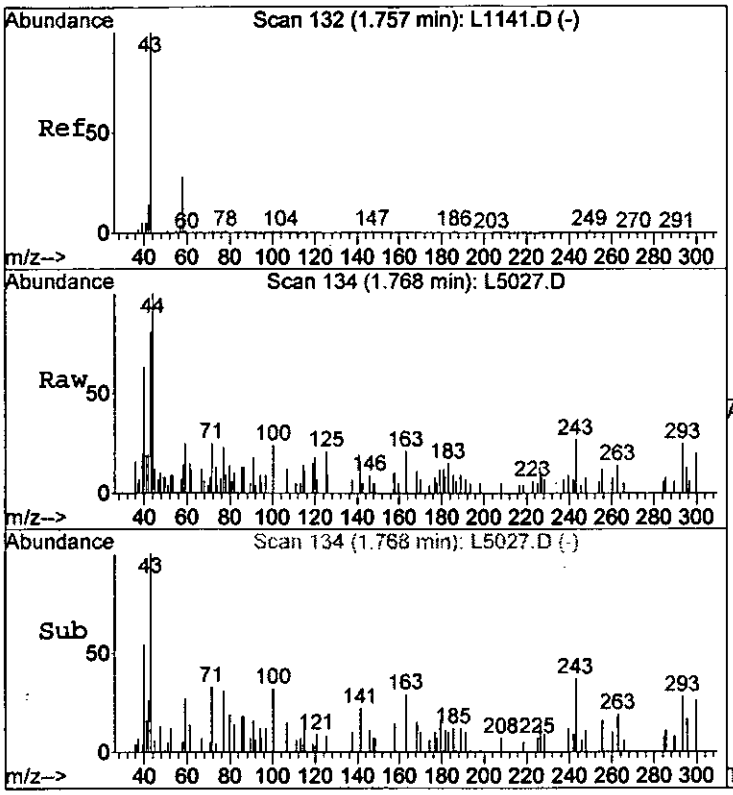
TIC: L5027.D

(7) Acetone

1.77min 0.78ug/L m

response 1456

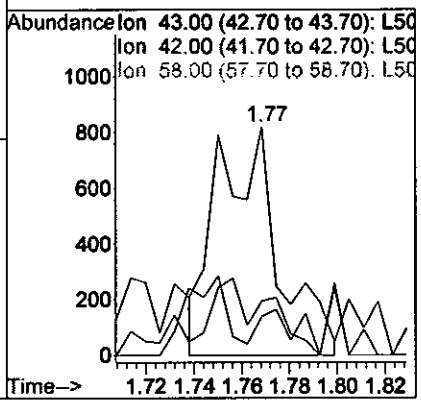
Ion	Exp%	Act%
43.00	100	100
42.00	14.70	23.84
58.00	27.90	17.03
0.00	0.00	0.00

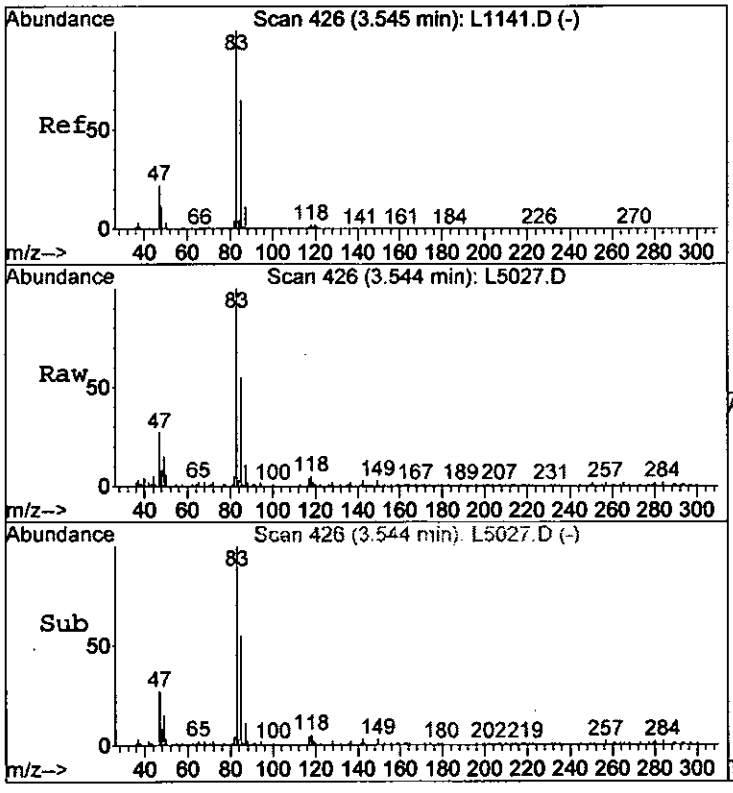


#7
Acetone
Concen: 0.78 ug/L m
RT: 1.77 min Scan# 134
Delta R.T. 0.02 min
Lab File: L5027.D
Acq: 22 May 2014 11:23 pm

Tgt Ion: 43 Resp: 1456

Ion	Ratio	Lower	Upper
43	100		
42	23.8	0.0	44.7
58	17.0	0.0	57.9

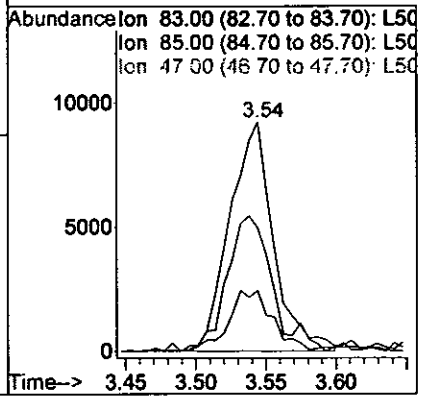


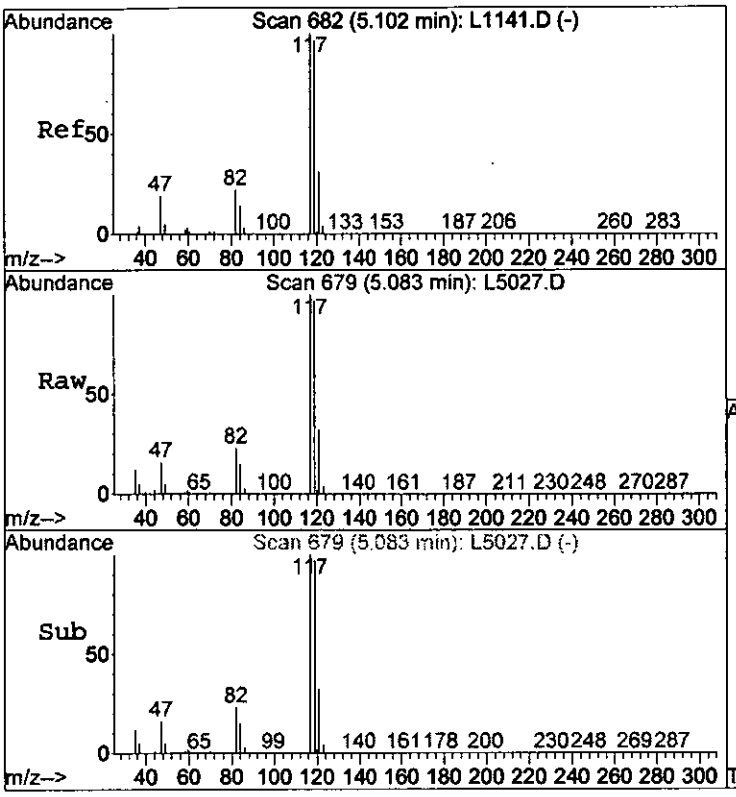


#16
Chloroform
Concen: 0.45 ug/L
RT: 3.54 min Scan# 426
Delta R.T. 0.01 min
Lab File: L5027.D
Acq: 22 May 2014 11:23 pm

Tgt Ion: 83 Resp: 19989

Ion	Ratio	Lower	Upper
83	100		
85	53.7	51.7	77.5
47	26.3	18.9	28.3

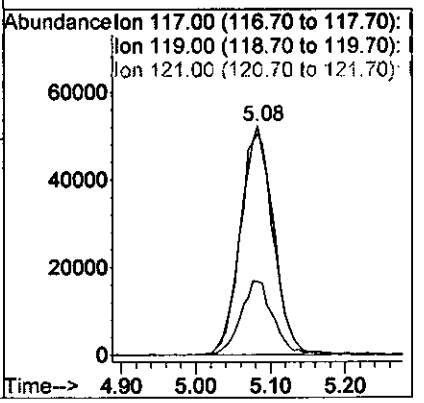


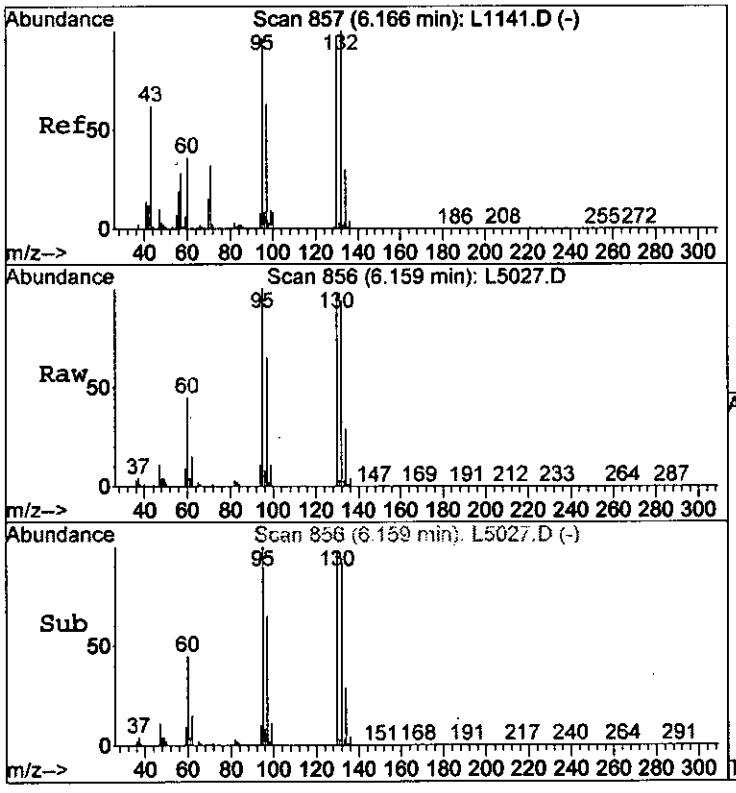


#21
Carbontetrachloride
Concen: 4.69 ug/L
RT: 5.08 min Scan# 679
Delta R.T. -0.00 min
Lab File: L5027.D
Acq: 22 May 2014 11:23 pm

Tgt Ion:117 Resp: 159254

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.8	115.2
121	31.9	24.4	36.6

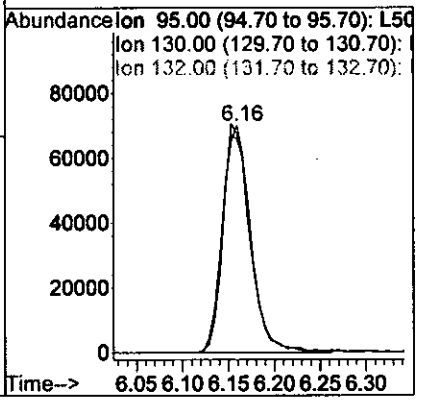




#24
Trichloroethene
Concen: 5.48 ug/L
RT: 6.16 min Scan# 856
Delta R.T. -0.00 min
Lab File: L5027.D
Acq: 22 May 2014 11:23 pm

Tgt Ion: 95 Resp: 146912

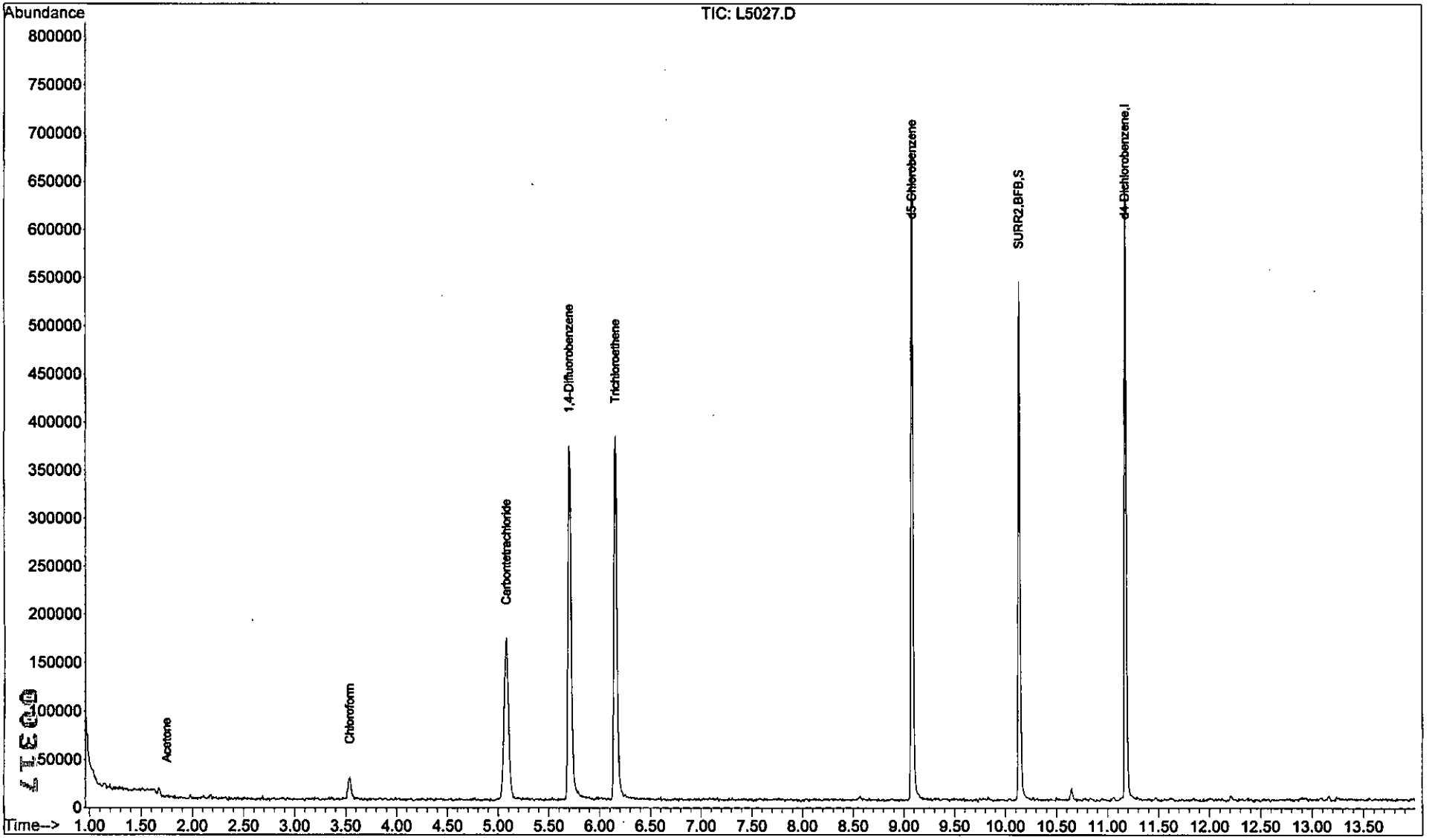
Ion	Ratio	Lower	Upper
95	100		
130	98.5	82.9	124.3
132	98.0	82.2	123.2



Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D Vial: 18
Acq On : 22 May 2014 11:23 pm Operator: D.Lipani
Sample : R1403523-026|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 23:41 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D Vial: 18
Acq On : 22 May 2014 11:23 pm Operator: D.Lipani
Sample : R1403523-026|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

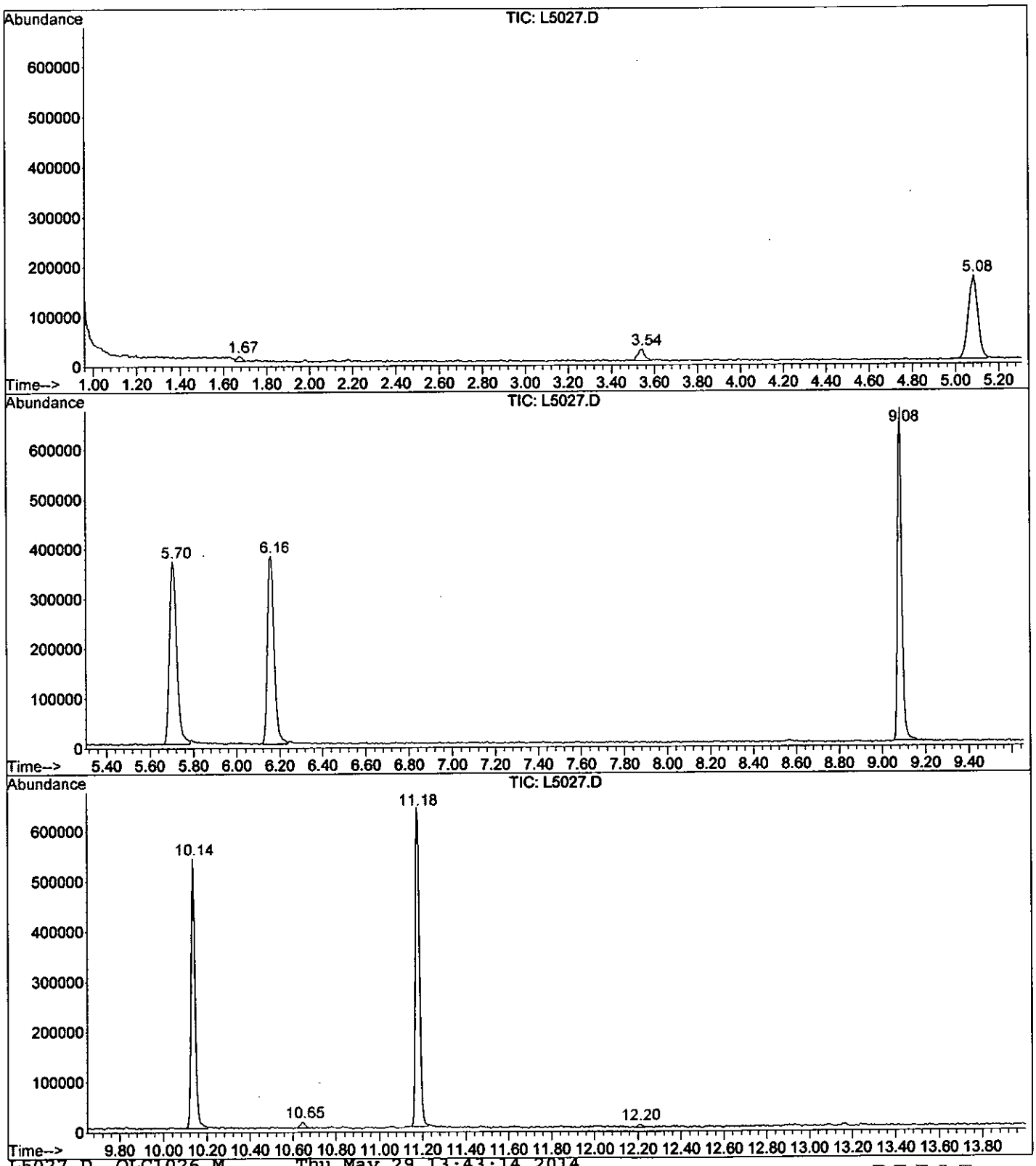
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.671	115	118	123	rVB5	9911	15405	1.69%	0.330%
2	3.544	419	426	433	rVB3	23701	51660	5.67%	1.108%
3	5.083	667	679	690	rBV2	167129	504617	55.38%	10.825%
4	5.703	775	781	794	rBV	366475	825713	90.62%	17.713%
5	6.159	849	856	869	rBV	377178	805469	88.40%	17.279%
6	9.084	1332	1337	1352	rBV	668545	911167	100.00%	19.546%
7	10.136	1502	1510	1521	rBV	537671	689423	75.66%	14.789%
8	10.647	1590	1594	1599	rBV4	11989	17002	1.87%	0.365%
9	11.176	1677	1681	1689	rBV	635003	831626	91.27%	17.840%
10	12.204	1847	1850	1855	rBV6	6081	9586	1.05%	0.206%

Sum of corrected areas: 4661668

L5027.D OLC1026.M Thu May 29 13:43:10 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D
Operator : D.Lipani
Acquired : 22 May 2014 11:23 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: R1403523-026|1.0
Misc Info : CB&I OLC 2.1 7042 T4
Vial Number: 18
Quant File :OLC1026.RES (RTE Integrator)



L5027.D OLC1026.M Thu May 29 13:43:14 2014

00319

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 11:23 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D
Name: R1403523-026|1.0
Misc: CB&I OLC 2.1 7042 T4
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5027.D OLC1026.M Thu May 29 13:43:14 2014

ALS Environmental

VOLATILE ORGANICS STANDARDS DATA

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Initial Calibration - Summary Report

DL 10/29/13

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Column Name:	1

Analyte	Type	Curve Fit	Weighting	Min RF	Mean RF	Criteria	Result
1,1,1-Trichloroethane (TCA)	T	Average RF		0.100	0.5530	<=30	5.8
1,1,2,2-Tetrachloroethane	T	Average RF		0.100	0.1649	<=30	3.8
1,1,2-Trichloroethane	T	Average RF		0.100	0.1638	<=30	4.0
1,1-Dichloroethane (1,1-DCA)	T	Average RF		0.200	0.5333	<=30	1.6
1,1-Dichloroethene (1,1-DCE)	T	Average RF		0.100	0.2470	<=30	1.8
1,2,3-Trichlorobenzene	T	Average RF			0.4700	<=30	7.5
1,2,4-Trichlorobenzene	T	Average RF			0.7518	<=100	4.6
1,2-Dibromo-3-chloropropane (DBCP)	T	Average RF			0.03647	<=100	15.6
1,2-Dibromoethane	T	Average RF		0.100	0.1529	<=30	4.3
1,2-Dichlorobenzene	T	Average RF		0.400	1.300	<=30	4.0
1,2-Dichloroethane	T	Average RF		0.100	0.1909	<=30	5.8
1,2-Dichloropropane	T	Average RF		0.010	0.3306	<=100	5.2
1,3-Dichlorobenzene	T	Average RF		0.400	1.684	<=30	3.0
1,4-Dichlorobenzene	T	Average RF		0.400	1.633	<=30	3.7
2-Butanone (MEK)	T	Average RF			0.03166	<=100	9.7
2-Hexanone	T	Average RF			0.06816	<=100	5.1
4-Methyl-2-pentanone	T	Average RF			0.09988	<=100	3.4
Acetone	T	Average RF			0.02582	<=100	13.4
Benzene	T	Average RF		0.400	1.475	<=30	4.6
Bromochloromethane	T	Average RF		0.05	0.1037	<=30	2.8
Bromodichloromethane	T	Average RF		0.200	0.3483	<=30	6.4
Bromoform	T	Average RF		0.05	0.2236	<=30	3.5
Bromomethane	T	Average RF		0.100	0.2282	<=30	4.3
Carbon Disulfide	T	Average RF		0.010	0.9291	<=100	3.1
Carbon Tetrachloride	T	Average RF		0.100	0.4602	<=30	8.6
Chlorobenzene	T	Average RF		0.500	0.9904	<=30	2.1
Chloroethane	T	Average RF		0.010	0.2185	<=100	3.4
Chloroform	T	Average RF		0.200	0.4791	<=30	2.1
Chloromethane	T	Average RF		0.010	0.3904	<=100	4.1
Dibromochloromethane	T	Average RF		0.100	0.1979	<=30	9.6
Dichloromethane	T	Average RF		0.010	0.2540	<=100	3.5
Ethylbenzene	T	Average RF		0.100	1.853	<=30	2.4
Hexachlorobutadiene	T	Average RF			0.5828	<=30	3.1
Styrene	T	Average RF		0.300	0.9847	<=30	3.5
Tetrachloroethene (PCE)	T	Average RF		0.100	0.5071	<=30	4.1
Toluene	T	Average RF		0.400	1.626	<=30	1.5
Trichloroethene (TCE)	T	Average RF		0.300	0.4185	<=30	5.0
Trichlorofluoromethane (CFC 11)	T	Average RF			0.4429	<=30	2.7
Vinyl Chloride	T	Average RF		0.100	0.3926	<=30	3.7
cis-1,2-Dichloroethene	T	Average RF		0.010	0.3130	<=100	2.0
cis-1,3-Dichloropropene	T	Average RF		0.200	0.4229	<=30	5.1
m,p-Xylenes	T	Average RF		0.300	0.7262	<=30	3.7
o-Xylene	T	Average RF		0.300	0.6850	<=30	4.4
trans-1,2-Dichloroethene	T	Average RF		0.010	0.3091	<=100	2.6
trans-1,3-Dichloropropene	T	Average RF		0.100	0.2929	<=30	6.2
4-Bromofluorobenzene	S	Average RF		0.200	0.3445	<=30	2.1

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

#	Lab Code	Sample Name	File Location	Acquisition Date
02	RC1300118-02	VSTD002 / 010	I:\ACQUDATA\MSVOA6\DATA\102613\L1140.D	10/26/13 13:25
03	RC1300118-03	VSTD005 / 025	I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D	10/26/13 13:57
04	RC1300118-04	VSTD010 / 050	I:\ACQUDATA\MSVOA6\DATA\102613\L1142.D	10/26/13 14:33
05	RC1300118-05	VSTD025 / 125	I:\ACQUDATA\MSVOA6\DATA\102613\L1143.D	10/26/13 15:34
01	RC1300118-01	VSTD001 / 005	I:\ACQUDATA\MSVOA6\DATA\102613\L1139.D	10/26/13 12:51

Analyte	Curve Fit	Weighting									
1,1,1-Trichloroethane (TCA)	Average RF			RSD = 5.8		Average RF = 0.5530					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5461	02	2.000	0.5260	03	5.000	0.5393	04	10.000	0.5452
05	25.000	0.6085									
1,1,2,2-Tetrachloroethane	Average RF			RSD = 3.8		Average RF = 0.1649					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1607	02	2.000	0.1686	03	5.000	0.1665	04	10.000	0.1567
05	25.000	0.1721									
1,1,2-Trichloroethane	Average RF			RSD = 4.0		Average RF = 0.1638					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1599	02	2.000	0.1599	03	5.000	0.1692	04	10.000	0.1576
05	25.000	0.1725									
1,1-Dichloroethane (1,1-DCA)	Average RF			RSD = 1.6		Average RF = 0.5333					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5306	02	2.000	0.5249	03	5.000	0.5438	04	10.000	0.5413
05	25.000	0.5261									
1,1-Dichloroethene (1,1-DCE)	Average RF			RSD = 1.8		Average RF = 0.2470					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2523	02	2.000	0.2437	03	5.000	0.2464	04	10.000	0.2505
05	25.000	0.2419									
1,2,3-Trichlorobenzene	Average RF			RSD = 7.5		Average RF = 0.4700					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4127	02	2.000	0.4915	03	5.000	0.5048	04	10.000	0.4712
05	25.000	0.4695									
1,2,4-Trichlorobenzene	Average RF			RSD = 4.6		Average RF = 0.7518					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6965	02	2.000	0.7657	03	5.000	0.7808	04	10.000	0.7749
05	25.000	0.7410									
1,2-Dibromo-3-chloropropane (DBCP)	Average RF			RSD = 15.6		Average RF = 0.03647					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.02668	02	2.000	0.04037	03	5.000	0.04023	04	10.000	0.03851
05	25.000	0.03656									
1,2-Dibromoethane	Average RF			RSD = 4.3		Average RF = 0.1529					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1463	02	2.000	0.1526	03	5.000	0.1546	04	10.000	0.1482
05	25.000	0.1631									

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

Analyte	Curve Fit	Weighting

1,2-Dichlorobenzene — Average RF — RSD = 4.0 — Average RF = 1.300

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.331	02	2.000	1.351	03	5.000	1.325	04	10.000	1.265
05	25.000	1.227									

1,2-Dichloroethane — Average RF — RSD = 5.8 — Average RF = 0.1909

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1746	02	2.000	0.1955	03	5.000	0.2026	04	10.000	0.1965
05	25.000	0.1854									

1,2-Dichloropropane — Average RF — RSD = 5.2 — Average RF = 0.3306

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3287	02	2.000	0.3073	03	5.000	0.3375	04	10.000	0.3254
05	25.000	0.3542									

1,3-Dichlorobenzene — Average RF — RSD = 3.0 — Average RF = 1.684

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.739	02	2.000	1.689	03	5.000	1.696	04	10.000	1.696
05	25.000	1.602									

1,4-Dichlorobenzene — Average RF — RSD = 3.7 — Average RF = 1.633

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.678	02	2.000	1.687	03	5.000	1.653	04	10.000	1.609
05	25.000	1.538									

2-Butanone (MEK) — Average RF — RSD = 9.7 — Average RF = 0.03166

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.000	0.02646	02	10.000	0.03169	03	25.000	0.03435	04	50.000	0.03350
05	125.000	0.03230									

2-Hexanone — Average RF — RSD = 5.1 — Average RF = 0.06816

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.000	0.06256	02	10.000	0.07022	03	25.000	0.07131	04	50.000	0.06709
05	125.000	0.06961									

4-Bromofluorobenzene — Average RF — RSD = 2.1 — Average RF = 0.3445

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3481	02	2.000	0.3395	03	5.000	0.3515	04	10.000	0.3491
05	25.000	0.3342									

4-Methyl-2-pentanone — Average RF — RSD = 3.4 — Average RF = 0.09988

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.000	0.09556	02	10.000	0.1024	03	25.000	0.1013	04	50.000	0.09706
05	125.000	0.1030									

Acetone — Average RF — RSD = 13.4 — Average RF = 0.02582

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.000	0.02774	02	10.000	0.03080	03	25.000	0.02453	04	50.000	0.02395
05	125.000	0.02207									

Benzene — Average RF — RSD = 4.6 — Average RF = 1.475

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.489	02	2.000	1.394	03	5.000	1.465	04	10.000	1.448
05	25.000	1.579									

Initial Calibration - Detailed Report

Calibration ID: RC1300118 **Instrument ID:** R-MS-06
Signal ID: 1

Analyte **Curve Fit** Weighting

Bromochloromethane Average RF RSD = 2.8 Average RF = 0.1037

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1039	02	2.000	0.1042	03	5.000	0.1077	04	10.000	0.1034
05	25.000	0.09945									

Bromodichloromethane Average RF RSD = 6.4 Average RF = 0.3483

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3342	02	2.000	0.3274	03	5.000	0.3462	04	10.000	0.3489
05	25.000	0.3850									

Bromoform Average RF RSD = 3.5 Average RF = 0.2236

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2125	02	2.000	0.2184	03	5.000	0.2293	04	10.000	0.2272
05	25.000	0.2306									

Bromomethane Average RF RSD = 4.3 Average RF = 0.2282

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2379	02	2.000	0.2374	03	5.000	0.2252	04	10.000	0.2255
05	25.000	0.2147									

Carbon Disulfide Average RF RSD = 3.1 Average RF = 0.9291

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9594	02	2.000	0.9486	03	5.000	0.9332	04	10.000	0.9180
05	25.000	0.8863									

Carbon Tetrachloride Average RF RSD = 8.6 Average RF = 0.4602

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4281	02	2.000	0.4213	03	5.000	0.4657	04	10.000	0.4655
05	25.000	0.5207									

Chlorobenzene Average RF RSD = 2.1 Average RF = 0.9904

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.003	02	2.000	0.9633	03	5.000	0.9924	04	10.000	0.9780
05	25.000	1.015									

Chloroethane Average RF RSD = 3.4 Average RF = 0.2185

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2179	02	2.000	0.2120	03	5.000	0.2264	04	10.000	0.2255
05	25.000	0.2107									

Chloroform Average RF RSD = 2.1 Average RF = 0.4791

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4691	02	2.000	0.4721	03	5.000	0.4926	04	10.000	0.4858
05	25.000	0.4757									

Chloromethane Average RF RSD = 4.1 Average RF = 0.3904

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3864	02	2.000	0.3705	03	5.000	0.4111	04	10.000	0.4009
05	25.000	0.3831									

Dibromochloromethane Average RF RSD = 9.6 Average RF = 0.1979

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1787	02	2.000	0.1847	03	5.000	0.1980	04	10.000	0.2003
05	25.000	0.2278									

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

Analyte	Curve Fit	Weighting

Dichloromethane — Average RF — RSD = 3.5 — Average RF = 0.2540

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2634	02	2.000	0.2559	03	5.000	0.2590	04	10.000	0.2517
05	25.000	0.2399									

Ethylbenzene — Average RF — RSD = 2.4 — Average RF = 1.853

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.922	02	2.000	1.808	03	5.000	1.863	04	10.000	1.830
05	25.000	1.840									

Hexachlorobutadiene — Average RF — RSD = 3.1 — Average RF = 0.5828

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5878	02	2.000	0.5530	03	5.000	0.5954	04	10.000	0.5973
05	25.000	0.5803									

Styrene — Average RF — RSD = 3.5 — Average RF = 0.9847

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9530	02	2.000	0.9528	03	5.000	0.9999	04	10.000	0.9829
05	25.000	1.035									

Tetrachloroethene (PCE) — Average RF — RSD = 4.1 — Average RF = 0.5071

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5086	02	2.000	0.4898	03	5.000	0.4968	04	10.000	0.4977
05	25.000	0.5428									

Toluene — Average RF — RSD = 1.5 — Average RF = 1.626

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.619	02	2.000	1.609	03	5.000	1.629	04	10.000	1.606
05	25.000	1.667									

Trichloroethene (TCE) — Average RF — RSD = 5.0 — Average RF = 0.4185

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4293	02	2.000	0.3978	03	5.000	0.4081	04	10.000	0.4073
05	25.000	0.4500									

Trichlorofluoromethane (CFC 11) — Average RF — RSD = 2.7 — Average RF = 0.4429

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4470	02	2.000	0.4489	03	5.000	0.4562	04	10.000	0.4366
05	25.000	0.4260									

Vinyl Chloride — Average RF — RSD = 3.7 — Average RF = 0.3926

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3927	02	2.000	0.3823	03	5.000	0.4150	04	10.000	0.3957
05	25.000	0.3775									

cis-1,2-Dichloroethene — Average RF — RSD = 2.0 — Average RF = 0.3130

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3125	02	2.000	0.3067	03	5.000	0.3209	04	10.000	0.3180
05	25.000	0.3071									

cis-1,3-Dichloropropene — Average RF — RSD = 5.1 — Average RF = 0.4229

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4061	02	2.000	0.4047	03	5.000	0.4334	04	10.000	0.4147
05	25.000	0.4553									

Initial Calibration - Detailed Report

Calibration ID: RC1300118 **Instrument ID:** R-MS-06
Signal ID: 1

Analyte	Curve Fit	Weighting									
m,p-Xylenes	Average RF			RSD = 3.7		Average RF = 0.7262					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	0.7181	02	4.000	0.6986	03	10.000	0.7272	04	20.000	0.7161
05	50.000	0.7712									
o-Xylene	Average RF			RSD = 4.4		Average RF = 0.6850					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6645	02	2.000	0.6661	03	5.000	0.6833	04	10.000	0.6743
05	25.000	0.7366									
trans-1,2-Dichloroethene	Average RF			RSD = 2.6		Average RF = 0.3091					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3137	02	2.000	0.2965	03	5.000	0.3132	04	10.000	0.3163
05	25.000	0.3059									
trans-1,3-Dichloropropene	Average RF			RSD = 6.2		Average RF = 0.2929					
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2720	02	2.000	0.2862	03	5.000	0.3061	04	10.000	0.2838
05	25.000	0.3167									

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.99	-1.3	02	2.000	1.90	-4.9	03	5.000	4.88	-2.5
04	10.000	9.86	-1.4	05	25.000	27.51	10.0				

1,1,2,2-Tetrachloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.97	-2.6	02	2.000	2.04	2.2	03	5.000	5.05	1.0
04	10.000	9.50	-5.0	05	25.000	26.09	4.4				

1,1,2-Trichloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.98	-2.4	02	2.000	1.95	-2.4	03	5.000	5.16	3.3
04	10.000	9.62	-3.8	05	25.000	26.33	5.3				

1,1-Dichloroethane (1,1-DCA)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.99	-0.5	02	2.000	1.97	-1.6	03	5.000	5.10	2.0
04	10.000	10.15	1.5	05	25.000	24.66	-1.4				

1,1-Dichloroethene (1,1-DCE)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.02	2.2	02	2.000	1.97	-1.3	03	5.000	4.99	-0.2
04	10.000	10.14	1.4	05	25.000	24.49	-2.0				

1,2,3-Trichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.88	-12.2	02	2.000	2.09	4.6	03	5.000	5.37	7.4
04	10.000	10.03	0.3	05	25.000	24.98	-0.1				

1,2,4-Trichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.93	-7.4	02	2.000	2.04	1.8	03	5.000	5.19	3.9
04	10.000	10.31	3.1	05	25.000	24.64	-1.4				

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.73	-26.8	02	2.000	2.21	10.7	03	5.000	5.52	10.3
04	10.000	10.56	5.6	05	25.000	25.06	0.2				

1,2-Dibromoethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.96	-4.4	02	2.000	1.99	-0.3	03	5.000	5.05	1.1
04	10.000	9.69	-3.1	05	25.000	26.67	6.7				

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

Analyte

1,2-Dichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.02	2.4	02	2.000	2.08	4.0	03	5.000	5.10	2.0
04	10.000	9.73	-2.7	05	25.000	23.60	-5.6				

1,2-Dichloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.91	-8.5	02	2.000	2.05	2.4	03	5.000	5.31	6.1
04	10.000	10.29	2.9	05	25.000	24.28	-2.9				

1,2-Dichloropropane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.99	-0.6	02	2.000	1.86	-7.0	03	5.000	5.10	2.1
04	10.000	9.84	-1.6	05	25.000	26.78	7.1				

1,3-Dichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.03	3.2	02	2.000	2.01	0.3	03	5.000	5.03	0.7
04	10.000	10.07	0.7	05	25.000	23.79	-4.9				

1,4-Dichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.03	2.7	02	2.000	2.07	3.3	03	5.000	5.06	1.2
04	10.000	9.85	-1.5	05	25.000	23.55	-5.8				

2-Butanone (MEK)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	5.000	4.18	-16.4	02	10.000	10.01	0.1	03	25.000	27.13	8.5
04	50.000	52.91	5.8	05	125.000	127.51	2.0				

2-Hexanone

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	5.000	4.59	-8.2	02	10.000	10.30	3.0	03	25.000	26.16	4.6
04	50.000	49.22	-1.6	05	125.000	127.66	2.1				

4-Bromofluorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.01	1.1	02	2.000	1.97	-1.4	03	5.000	5.10	2.0
04	10.000	10.13	1.3	05	25.000	24.25	-3.0				

4-Methyl-2-pentanone

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	5.000	4.78	-4.3	02	10.000	10.25	2.5	03	25.000	25.37	1.5
04	50.000	48.59	-2.8	05	125.000	128.96	3.2				

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

Analyte

Acetone

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	5.000	5.37	7.4	02	10.000	11.93	19.3	03	25.000	23.75	-5.0
04	50.000	46.39	-7.2	05	125.000	106.85	-14.5				

Benzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.01	1.0	02	2.000	1.89	-5.5	03	5.000	4.97	-0.7
04	10.000	9.82	-1.8	05	25.000	26.76	7.0				

Bromochloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.00	0.2	02	2.000	2.01	0.4	03	5.000	5.19	3.9
04	10.000	9.96	-0.4	05	25.000	23.97	-4.1				

Bromodichloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.96	-4.1	02	2.000	1.88	-6.0	03	5.000	4.97	-0.6
04	10.000	10.02	0.2	05	25.000	27.63	10.5				

Bromoform

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.95	-5.0	02	2.000	1.95	-2.3	03	5.000	5.13	2.6
04	10.000	10.16	1.6	05	25.000	25.78	3.1				

Bromomethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.04	4.3	02	2.000	2.08	4.1	03	5.000	4.94	-1.3
04	10.000	9.88	-1.2	05	25.000	23.52	-5.9				

Carbon Disulfide

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.03	3.3	02	2.000	2.04	2.1	03	5.000	5.02	0.4
04	10.000	9.88	-1.2	05	25.000	23.85	-4.6				

Carbon Tetrachloride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.93	-7.0	02	2.000	1.83	-8.5	03	5.000	5.06	1.2
04	10.000	10.11	1.1	05	25.000	28.29	13.1				

Chlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.01	1.3	02	2.000	1.95	-2.7	03	5.000	5.01	0.2
04	10.000	9.87	-1.3	05	25.000	25.63	2.5				

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

Analyte

Chloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.00	-0.3	02	2.000	1.94	-3.0	03	5.000	5.18	3.6
04	10.000	10.32	3.2	05	25.000	24.10	-3.6				

Chloroform

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.98	-2.1	02	2.000	1.97	-1.4	03	5.000	5.14	2.8
04	10.000	10.14	1.4	05	25.000	24.83	-0.7				

Chloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.99	-1.0	02	2.000	1.90	-5.1	03	5.000	5.26	5.3
04	10.000	10.27	2.7	05	25.000	24.53	-1.9				

Dibromochloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.90	-9.7	02	2.000	1.87	-6.7	03	5.000	5.00	0.1
04	10.000	10.12	1.2	05	25.000	28.78	15.1				

Dichloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.04	3.7	02	2.000	2.01	0.7	03	5.000	5.10	2.0
04	10.000	9.91	-0.9	05	25.000	23.61	-5.6				

Ethylbenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.04	3.7	02	2.000	1.95	-2.4	03	5.000	5.03	0.6
04	10.000	9.88	-1.2	05	25.000	24.84	-0.7				

Hexachlorobutadiene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.01	0.9	02	2.000	1.90	-5.1	03	5.000	5.11	2.2
04	10.000	10.25	2.5	05	25.000	24.90	-0.4				

Styrene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.97	-3.2	02	2.000	1.94	-3.2	03	5.000	5.08	1.5
04	10.000	9.98	-0.2	05	25.000	26.28	5.1				

Tetrachloroethene (PCE)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.00	0.3	02	2.000	1.93	-3.4	03	5.000	4.90	-2.0
04	10.000	9.81	-1.9	05	25.000	26.76	7.0				

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

Analyte

Toluene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.00	-0.4	02	2.000	1.98	-1.1	03	5.000	5.01	0.2
04	10.000	9.88	-1.2	05	25.000	25.63	2.5				

Trichloroethene (TCE)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.03	2.6	02	2.000	1.90	-4.9	03	5.000	4.88	-2.5
04	10.000	9.73	-2.7	05	25.000	26.88	7.5				

Trichlorofluoromethane (CFC 11)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.01	0.9	02	2.000	2.03	1.3	03	5.000	5.15	3.0
04	10.000	9.86	-1.4	05	25.000	24.04	-3.8				

Vinyl Chloride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.00	0.0	02	2.000	1.95	-2.6	03	5.000	5.28	5.7
04	10.000	10.08	0.8	05	25.000	24.04	-3.8				

cis-1,2-Dichloroethene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.00	-0.2	02	2.000	1.96	-2.0	03	5.000	5.13	2.5
04	10.000	10.16	1.6	05	25.000	24.53	-1.9				

cis-1,3-Dichloropropene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.96	-4.0	02	2.000	1.91	-4.3	03	5.000	5.12	2.5
04	10.000	9.81	-1.9	05	25.000	26.92	7.7				

m,p-Xylenes

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	2.000	1.98	-1.1	02	4.000	3.85	-3.8	03	10.000	10.01	0.1
04	20.000	19.72	-1.4	05	50.000	53.09	6.2				

o-Xylene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.97	-3.0	02	2.000	1.95	-2.7	03	5.000	4.99	-0.2
04	10.000	9.84	-1.6	05	25.000	26.88	7.5				

trans-1,2-Dichloroethene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	1.01	1.5	02	2.000	1.92	-4.1	03	5.000	5.07	1.3
04	10.000	10.23	2.3	05	25.000	24.74	-1.0				

Initial Calibration - Detailed Report

Calibration ID:	RC1300118	**Instrument ID:**	R-MS-06
		Signal ID:	1

Analyte

trans-1,3-Dichloropropene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.93	-7.1	02	2.000	1.95	-2.3	03	5.000	5.22	4.5
04	10.000	9.69	-3.1	05	25.000	27.03	8.1				

Response Factor Report MS#6

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 16:26:32 2013
Response via : Continuing Calibration

Calibration Files
1 =L1139.D 2 =L1140.D 5 =L1141.D
10 =L1142.D 25 =L1143.D

PL 10/26/13

		Compound	1	2	5	10	25	Avg	%RSD
1)		1,4-Difluorobenzene	----------ISTD----------						
2)		Chloromethane	0.386	0.371	0.411	0.401	0.383	0.390	4.05
3)		Vinyl Chloride	0.393	0.382	0.415	0.396	0.378	0.393	3.70
4)		Bromomethane	0.238	0.237	0.225	0.225	0.215	0.228	4.27
5)		Chloroethane	0.218	0.212	0.226	0.226	0.211	0.218	3.36
6)		Trichlorofluoromethan	0.447	0.449	0.456	0.437	0.426	0.443	2.66
7)		Acetone	0.028	0.031	0.025	0.024	0.022	0.026	13.38
8)		1,1-Diclethene	0.252	0.244	0.246	0.251	0.242	0.247	1.78
9)		Methylene Chloride	0.263	0.256	0.259	0.252	0.240	0.254	3.54
10)		Carbon Disulfide	0.959	0.949	0.933	0.918	0.886	0.929	3.08
11)		trans-1,2-Dichloroeth	0.314	0.297	0.313	0.316	0.306	0.309	2.60
12)		1,1-Diclethane	0.531	0.525	0.544	0.541	0.526	0.533	1.63
13)		2-Butanone	0.026	0.032	0.034	0.034	0.032	0.032	9.75
14)		cis-1,2-Dichloroethen	0.313	0.307	0.321	0.318	0.307	0.313	2.03
15)		Bromochloromethane	0.104	0.104	0.108	0.103	0.099	0.104	2.84
16)		Chloroform	0.469	0.472	0.493	0.486	0.476	0.479	2.05
17)		1,2-Dichloroethane	0.175	0.195	0.203	0.196	0.185	0.191	5.77
18)	S	SURR2,BFB	0.348	0.340	0.352	0.349	0.334	0.345	2.13
19)		d5-Chlorobenzene	----------ISTD----------						
20)		1,1,1-Trichloroethane	0.546	0.526	0.539	0.545	0.608	0.553	5.79
21)		Carbontetrachloride	0.428	0.421	0.466	0.465	0.521	0.460	8.60
22)		Benzene	1.489	1.394	1.465	1.448	1.579	1.475	4.59
23)		1,2-Diclpropane	0.329	0.307	0.337	0.325	0.354	0.331	5.18
24)		Trichloroethene	0.429	0.398	0.408	0.407	0.450	0.419	5.03
25)		Bromodichloromethane	0.334	0.327	0.346	0.349	0.385	0.348	6.40
26)		cis-1,3-Dichloroprope	0.406	0.405	0.433	0.415	0.455	0.423	5.07
27)		4-Methyl-2-Pentanone	0.096	0.102	0.101	0.097	0.103	0.100	3.36
28)		trans-1,3-Dichloropro	0.272	0.286	0.306	0.284	0.317	0.293	6.16
29)		1,1,2-Trichloroethane	0.160	0.160	0.169	0.158	0.172	0.164	4.03
30)		Toluene	1.619	1.609	1.629	1.606	1.667	1.626	1.51
31)		Dibromochloromethane	0.179	0.185	0.198	0.200	0.228	0.198	9.60
32)		2-Hexanone	0.063	0.070	0.071	0.067	0.070	0.068	5.12
33)		1,2-Dibromoethane	0.146	0.153	0.155	0.148	0.163	0.153	4.31
34)		Tetrachloroethene	0.509	0.490	0.497	0.498	0.543	0.507	4.15
35)		Chlorobenzene	1.003	0.963	0.992	0.978	1.015	0.990	2.07
36)		Ethylbenzene	1.922	1.808	1.863	1.830	1.840	1.853	2.35
37)		(m+p)Xylene	0.718	0.699	0.727	0.716	0.771	0.726	3.74
38)		Styrene	0.953	0.953	1.000	0.983	1.035	0.985	3.51
39)		o-Xylene	0.665	0.666	0.683	0.674	0.737	0.685	4.35
40)		1,1,2,2-Tetrachloroet	0.161	0.169	0.167	0.157	0.172	0.165	3.76
41)	I	d4-Dichlorobenzene	----------ISTD----------						
42)		Bromoform	0.212	0.218	0.229	0.227	0.231	0.224	3.50
43)		1,3-Diclbenzene	1.739	1.689	1.696	1.696	1.602	1.684	2.96
44)		1,4-Diclbenzene	1.678	1.687	1.653	1.609	1.538	1.633	3.74
45)		1,2-Diclbenzene	1.331	1.351	1.325	1.265	1.227	1.300	4.00
46)		1,2-Dibromo-3-chlorop	0.027	0.040	0.040	0.039	0.037	0.036	15.59
47)		1,2,4-Tcbenzene	0.697	0.766	0.781	0.775	0.741	0.752	4.58
48)		Hexachlorobt	0.588	0.553	0.595	0.597	0.580	0.583	3.08
49)		1,2,3-Tclbenzene	0.413	0.491	0.505	0.471	0.470	0.470	7.49

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1139.D Vial: 8
Acq On : 26 Oct 2013 12:51 pm Operator: D.LIPANI
Sample : VSTD001 / 005 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:21 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:18:59 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.72	114	223830	5.00 ug/L	0.00
19) d5-Chlorobenzene	9.09	117	184403	5.00 ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	86379	5.00 ug/L	0.00
System Monitoring Compounds					
18) SURR2,BFB	10.14	174	15585	0.99 ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 19.80%#		
Target Compounds					Qvalue
2) Chloromethane	1.10	50	17298	0.94 ug/L	96
3) Vinyl Chloride	1.17	62	17578	0.95 ug/L	98
4) Bromomethane	1.34	94	10652	1.06 ug/L	95
5) Chloroethane	1.41	64	9756	0.96 ug/L	93
6) Trichlorofluoromethane	1.68	101	20009	0.98 ug/L	92
7) Acetone	1.76	43	6208	5.65 ug/L	96
8) 1,1-Diclethene	1.98	96	11294	1.02 ug/L	92
9) Methylene Chloride	2.08	84	11793	1.02 ug/L	93
10) Carbon Disulfide	2.18	76	42950	1.03 ug/L	97
11) trans-1,2-Dichloroethene	2.55	96	14042	1.00 ug/L	90
12) 1,1-Diclethane	2.75	63	23754	0.98 ug/L #	96
13) 2-Butanone	3.25	43	5922	3.85 ug/L #	89
14) cis-1,2-Dichloroethene	3.31	96	13990	0.97 ug/L #	82
15) Bromochloromethane	3.47	128	4653	0.96 ug/L #	82
16) Chloroform	3.54	83	20998	0.95 ug/L	96
17) 1,2-Dichloroethane	4.41	62	7817	0.86 ug/L	98
20) 1,1,1-Trichloroethane	4.52	97	20140	1.01 ug/L	97
21) Carbontetrachloride	5.09	117	15788	0.92 ug/L	97
22) Benzene	5.21	78	54929	1.02 ug/L	97
23) 1,2-Diclpropane	6.11	63	12123	0.97 ug/L	99
24) Trichloroethene	6.17	95	15833	1.05 ug/L	94
25) Bromodichloromethane	6.23	83	12325	0.97 ug/L	98
26) cis-1,3-Dichloropropene	7.06	75	14979	0.94 ug/L	100
27) 4-Methyl-2-Pentanone	7.27	43	17622m	4.71 ug/L	
28) trans-1,3-Dichloropropene	7.56	75	10032	0.89 ug/L	93
29) 1,1,2-Trichloroethane	7.67	97	5896	0.94 ug/L	98
30) Toluene	7.84	91	59722	0.99 ug/L	100
31) Dibromochloromethane	8.10	129	6589	0.90 ug/L	97
32) 2-Hexanone	8.17	43	11537	4.39 ug/L	98
33) 1,2-Dibromoethane	8.32	107	5394	0.95 ug/L #	99
34) Tetrachloroethene	8.51	166	18759	1.02 ug/L	99
35) Chlorobenzene	9.11	112	37000	1.01 ug/L	98
36) Ethylbenzene	9.33	91	70884	1.03 ug/L	99
37) (m+p)Xylene	9.51	106	52966	1.97 ug/L	100
38) Styrene	9.77	104	35148	0.95 ug/L	99
39) o-Xylene	9.83	106	24509	0.97 ug/L	91
40) 1,1,2,2-Tetrachloroethane	9.83	83	5927	0.97 ug/L	96
42) Bromoform	9.51	173	3671	0.93 ug/L	96
43) 1,3-Diclbenzene	11.15	146	30034	1.03 ug/L	98
44) 1,4-Diclbenzene	11.21	146	28984	1.01 ug/L	99
45) 1,2-Diclbenzene	11.47	146	23002	1.00 ug/L	99
46) 1,2-Dibromo-3-chloropropan	11.84	75	461	0.66 ug/L #	52

DL 10/26/13

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

00335

Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1139.D
Acq On : 26 Oct 2013 12:51 pm
Sample : VSTD001 / 005
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:21 2013

Vial: 8
Operator: D.LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:18:59 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

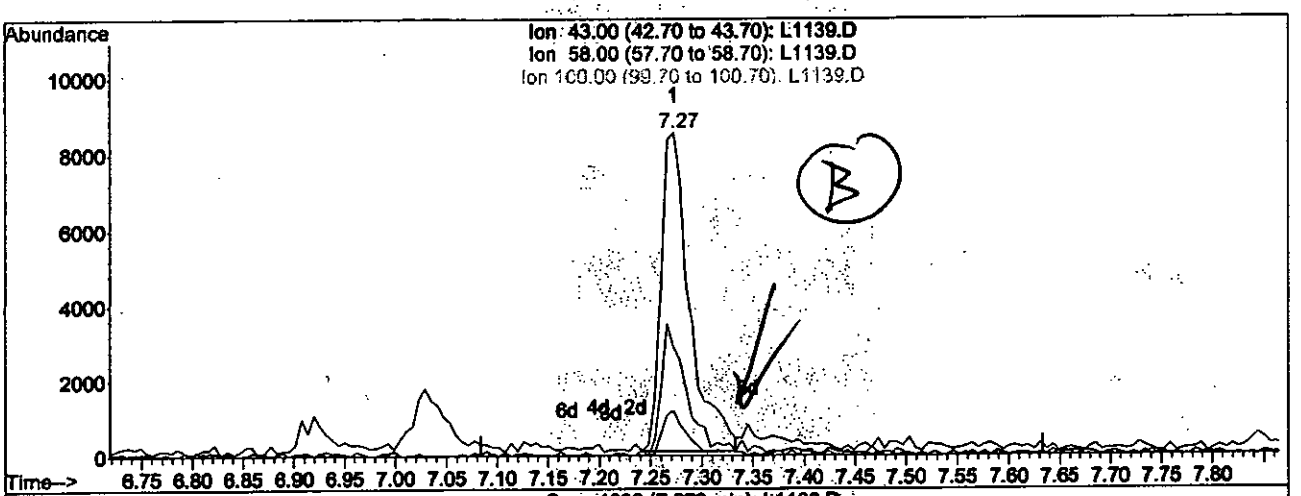
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) 1,2,4-Tcbenzene	12.91	180	12033	0.89 ug/L	95
48) Hexachlorobt	13.16	225	10155	0.99 ug/L	97
49) 1,2,3-Tclbenzene	13.24	180	7130	0.82 ug/L	89

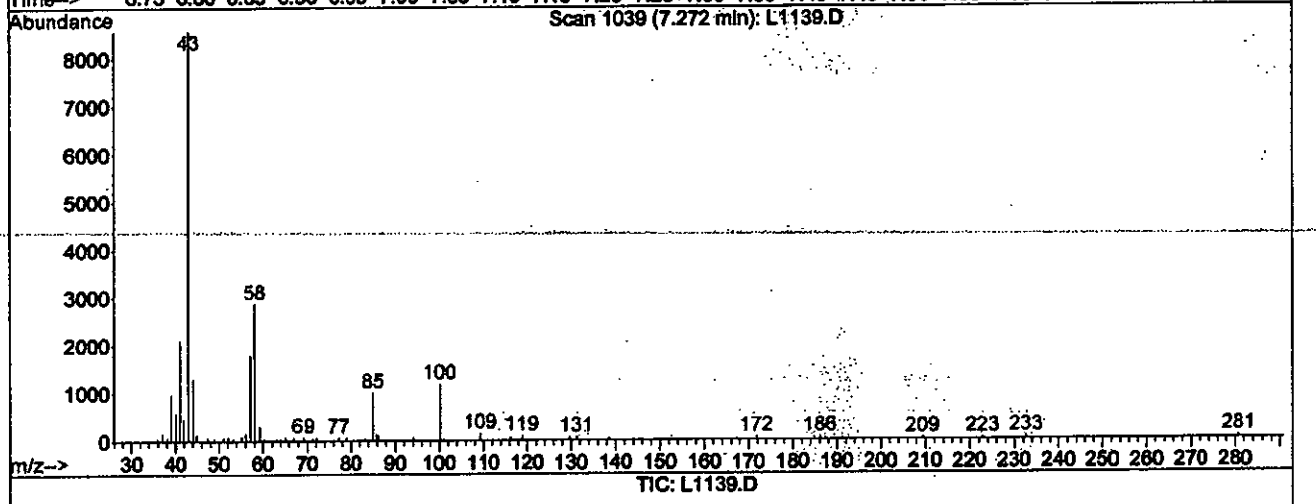
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1139.D Vial: 8
Acq On : 26 Oct 2013 12:51 pm Operator: D.LIPANI
Sample : VSTD001 / 005 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:20 2013 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:18:59 2013
Response via : Single Level Calibration





TIC: L1139.D

(27) 4-Methyl-2-Pentanone

7.27min 4.37ug/L

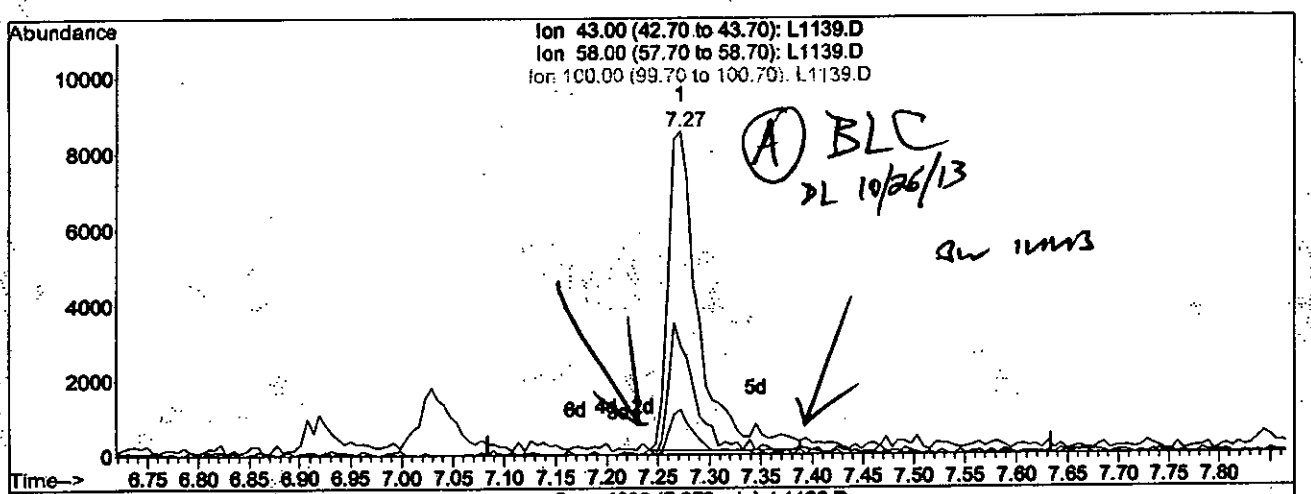
response 16341

Ion	Exp%	Act%
43.00	100	100
58.00	38.90	38.27
100.00	12.90	12.78
0.00	0.00	0.00

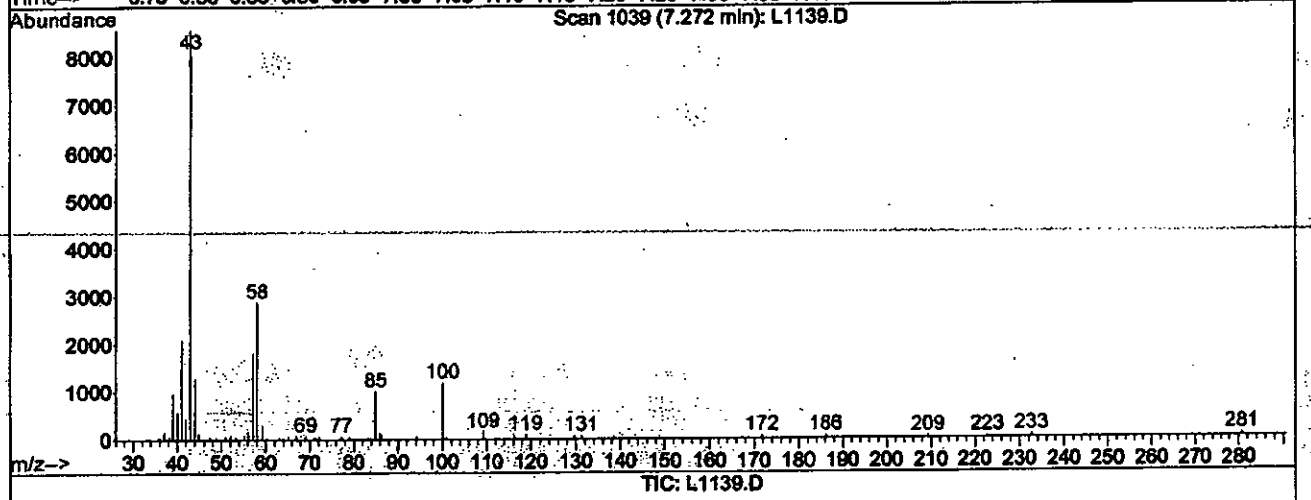
Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1139.D Vial: 8
Acq On : 26 Oct 2013 12:51 pm Operator: D.LIPANI
Sample : VSTD001 / 005 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:21 2013 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:18:59 2013
Response via : Single Level Calibration



A BLC
DL 10/26/13



TIC: L1139.D

(27) 4-Methyl-2-Pentanone

7.27min 4.71ug/L m

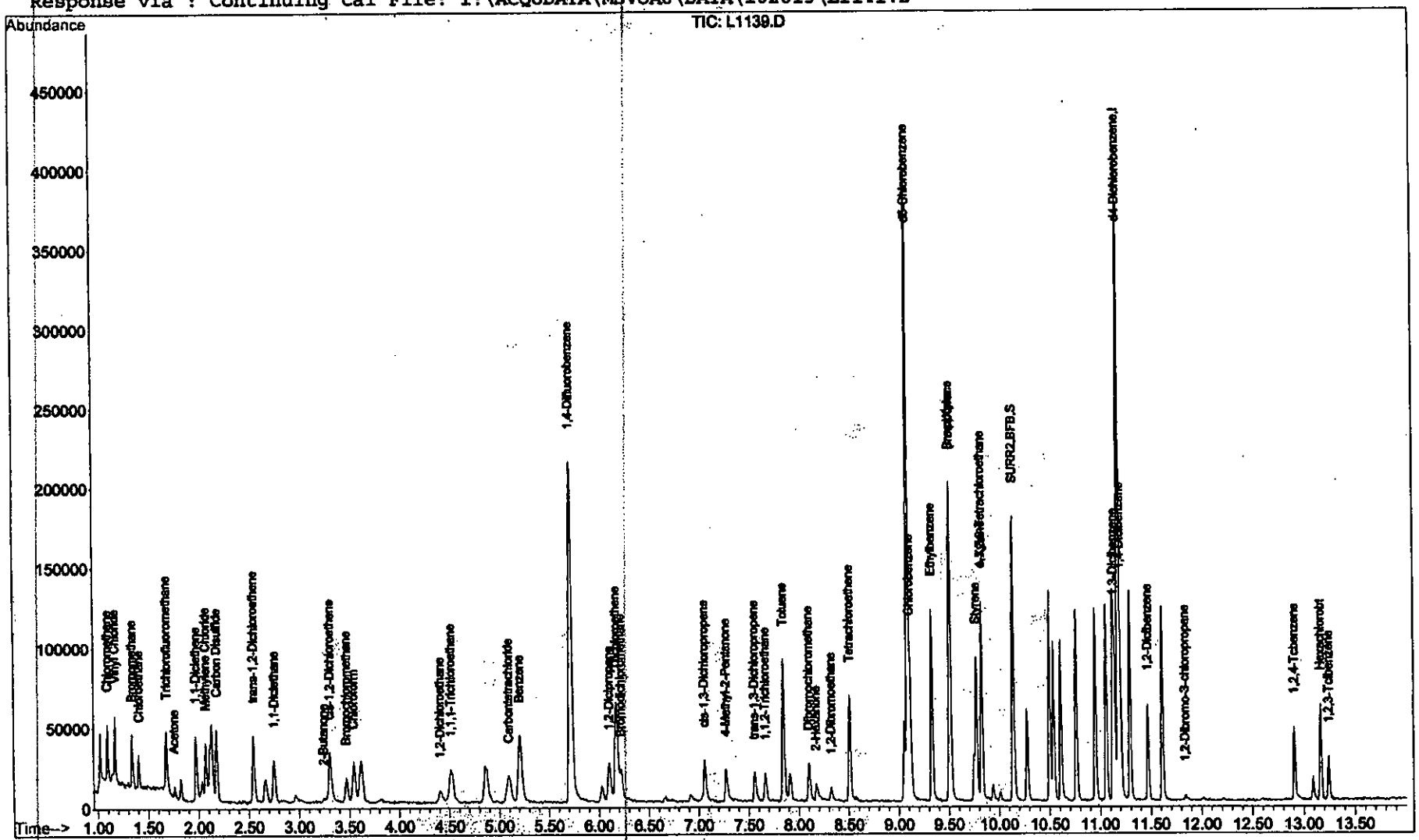
response 17622

Ion	Exp%	Act%
43.00	100	100
58.00	38.90	35.48
100.00	12.90	11.85
0.00	0.00	0.00

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1139.D Vial: 8
Acq On : 26 Oct 2013 12:51 pm Operator: D.LIPANI
Sample : VSTD001 / 005 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:21 2013 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:22:17 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D



Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1140.D Vial: 9
Acq On : 26 Oct 2013 1:25 pm Operator: D.LIPANI
Sample : VSTD002 / 010 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:28 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:22:17 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.72	114	231747	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.09	117	195709	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.19	152	91272	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.15	174	31475	1.93	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 38.60%#				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	34349	1.80	ug/L		95
3) Vinyl Chloride	1.18	62	35440	1.84	ug/L		99
4) Bromomethane	1.35	94	22009	2.11	ug/L		92
5) Chloroethane	1.41	64	19650	1.87	ug/L		99
6) Trichlorofluoromethane	1.68	101	41611	1.97	ug/L		97
7) Acetone	1.76	43	14274	12.56	ug/L		89
8) 1,1-Diclethene	1.98	96	22592	1.98	ug/L		99
9) Methylene Chloride	2.08	84	23718	1.98	ug/L		92
10) Carbon Disulfide	2.19	76	87931	2.03	ug/L		98
11) trans-1,2-Dichloroethene	2.55	96	27487	1.89	ug/L		93
12) 1,1-Diclethane	2.75	63	48659	1.93	ug/L		92
13) 2-Butanone	3.23	43	14688m	9.22	ug/L		
14) cis-1,2-Dichloroethene	3.31	96	28427	1.91	ug/L		98
15) Bromochloromethane	3.47	128	9658	1.93	ug/L		93
16) Chloroform	3.55	83	43767	1.92	ug/L		99
17) 1,2-Dichloroethane	4.41	62	18122	1.93	ug/L		93
20) 1,1,1-Trichloroethane	4.52	97	41180	1.95	ug/L		92
21) Carbontetrachloride	5.10	117	32978	1.81	ug/L		93
22) Benzene	5.21	78	109128	1.90	ug/L		99
23) 1,2-Diclpropane	6.10	63	24059	1.82	ug/L		95
24) Trichloroethene	6.17	95	31142	1.95	ug/L		99
25) Bromodichloromethane	6.22	83	25633	1.89	ug/L		93
26) cis-1,3-Dichloropropene	7.06	75	31685	1.87	ug/L		97
27) 4-Methyl-2-Pentanone	7.27	43	40081	10.10	ug/L		95
28) trans-1,3-Dichloropropene	7.56	75	22401	1.87	ug/L		95
29) 1,1,2-Trichloroethane	7.67	97	12517	1.89	ug/L		96
30) Toluene	7.85	91	125943	1.98	ug/L		98
31) Dibromochloromethane	8.10	129	14458	1.87	ug/L		100
32) 2-Hexanone	8.16	43	27486	9.85	ug/L		99
33) 1,2-Dibromoethane	8.32	107	11943	1.97	ug/L	#	93
34) Tetrachloroethene	8.51	166	38340	1.97	ug/L		96
35) Chlorobenzene	9.12	112	75411	1.94	ug/L		97
36) Ethylbenzene	9.33	91	141499	1.94	ug/L		98
37) (m+p)Xylene	9.51	106	109374	3.84	ug/L		96
38) Styrene	9.78	104	74589	1.91	ug/L		100
39) o-Xylene	9.83	106	52147	1.95	ug/L		98
40) 1,1,2,2-Tetrachloroethane	9.82	83	13202	2.03	ug/L		94
42) Bromoform	9.51	173	7973	1.90	ug/L	#	98
43) 1,3-Diclbenzene	11.14	146	61665	1.99	ug/L		99
44) 1,4-Diclbenzene	11.20	146	61597	2.04	ug/L		98
45) 1,2-Diclbenzene	11.47	146	49341	2.04	ug/L		97
46) 1,2-Dibromo-3-chloropropan	11.84	75	1474	2.01	ug/L		94

DL 10/26/13

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

00340

Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1140.D Vial: 9
Acq On : 26 Oct 2013 1:25 pm Operator: D.LIPANI
Sample : VSTD002 / 010 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:28 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:22:17 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

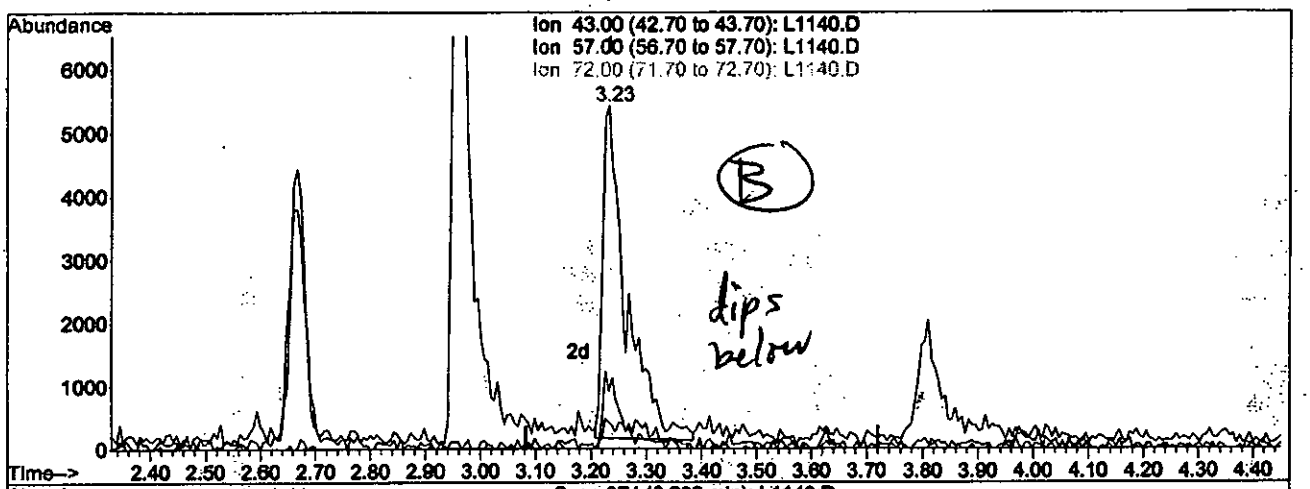
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) 1,2,4-Tcbenzene	12.91	180	27953	1.96 ug/L	99
48) Hexachlorobt	13.17	225	20189	1.86 ug/L	96
49) 1,2,3-Tclbenzene	13.24	180	17944	1.95 ug/L	99

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

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1140.D Vial: 9
Acq On : 26 Oct 2013 1:25 pm Operator: D.LIPANI
Sample : VSTD002 / 010 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:27 2013 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:22:17 2013
Response via : Single Level Calibration



TIC: L1140.D

(13) 2-Butanone

3.23min 9.74ug/L

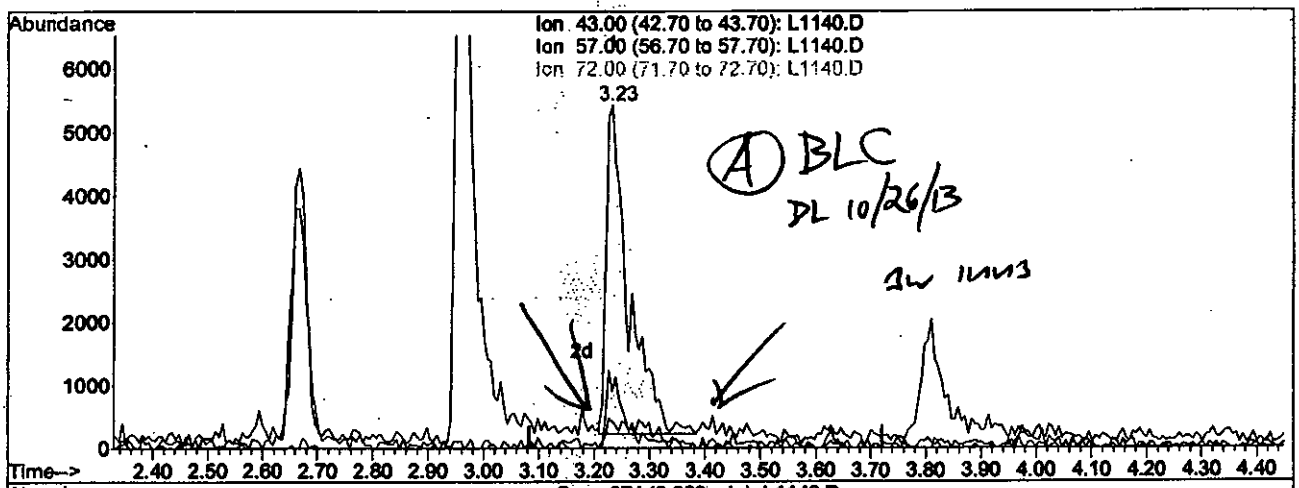
response 15513

Ion	Exp%	Act%
43.00	100	100
57.00	8.40	7.85
72.00	19.80	16.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1140.D Vial: 9
Acq On : 26 Oct 2013 1:25 pm Operator: D.LIPANI
Sample : VSTD002 / 010 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:28 2013 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:22:17 2013
Response via : Single Level Calibration



(13) 2-Butanone

3.23min 9.22ug/L m

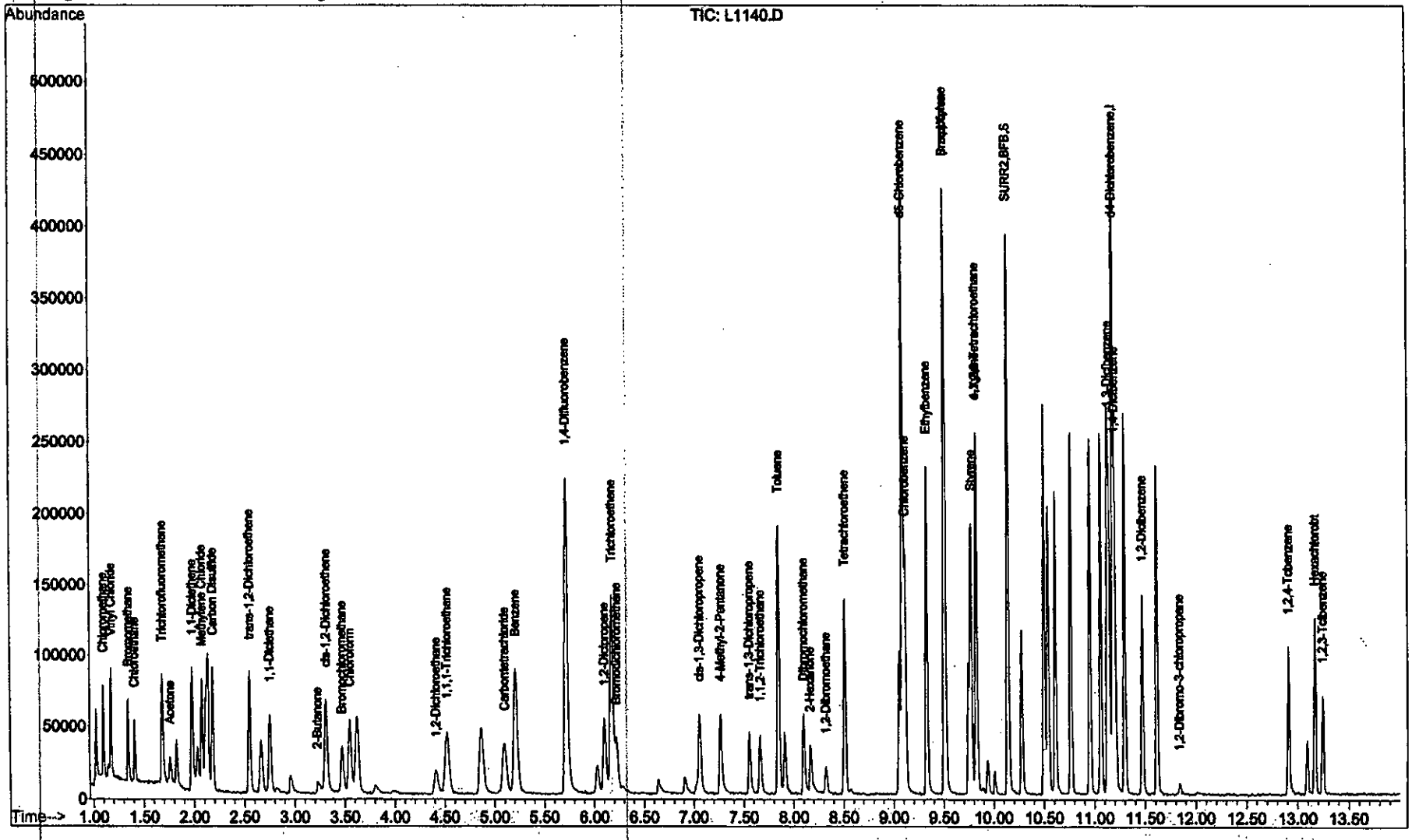
response 14688

Ion	Exp%	Act%
43.00	100	100
57.00	8.40	7.85
72.00	19.80	18.69
0.00	0.00	0.00

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1140.D Vial: 9
Acq On : 26 Oct 2013 1:25 pm Operator: D.LIPANI
Sample : VSTD002 / 010 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:28 2013 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:22:17 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D



Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D Vial: 10
Acq On : 26 Oct 2013 1:57 pm Operator: D.LIPANI
Sample : VSTD005 / 025 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:19 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:18:59 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.72	114	234008	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.09	117	194909	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	93791	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	82260	5.00	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.00%			
Target Compounds						Qvalue
2) Chloromethane	1.10	50	96193	5.00	ug/L	100
3) Vinyl Chloride	1.17	62	97115	5.00	ug/L	100
4) Bromomethane	1.34	94	52701	5.00	ug/L	100
5) Chloroethane	1.41	64	52972	5.00	ug/L	100
6) Trichlorofluoromethane	1.68	101	106743	5.00	ug/L	100
7) Acetone	1.76	43	28700	25.00	ug/L	100
8) 1,1-Diclethene	1.98	96	57654	5.00	ug/L	100
9) Methylene Chloride	2.07	84	60602	5.00	ug/L	100
10) Carbon Disulfide	2.18	76	218380	5.00	ug/L	100
11) trans-1,2-Dichloroethene	2.55	96	73287	5.00	ug/L	100
12) 1,1-Diclethane	2.75	63	127257	5.00	ug/L	100
13) 2-Butanone	3.22	43	40194	25.00	ug/L	100
14) cis-1,2-Dichloroethene	3.31	96	75084	5.00	ug/L	100
15) Bromochloromethane	3.47	128	25212	5.00	ug/L	100
16) Chloroform	3.55	83	115264	5.00	ug/L	100
17) 1,2-Dichloroethane	4.40	62	47410	5.00	ug/L	100
20) 1,1,1-Trichloroethane	4.52	97	105111	5.00	ug/L	100
21) Carbontetrachloride	5.10	117	90761	5.00	ug/L	100
22) Benzene	5.21	78	285545	5.00	ug/L	100
23) 1,2-Diclpropane	6.10	63	65776	5.00	ug/L	100
24) Trichloroethene	6.17	95	79551	5.00	ug/L	100
25) Bromodichloromethane	6.22	83	67480	5.00	ug/L	100
26) cis-1,3-Dichloropropene	7.05	75	84473	5.00	ug/L	100
27) 4-Methyl-2-Pentanone	7.27	43	98766	25.00	ug/L	100
28) trans-1,3-Dichloropropene	7.55	75	59656	5.00	ug/L	100
29) 1,1,2-Trichloroethane	7.66	97	32979	5.00	ug/L	100
30) Toluene	7.84	91	317443	5.00	ug/L	100
31) Dibromochloromethane	8.10	129	38599	5.00	ug/L	100
32) 2-Hexanone	8.16	43	69499	25.00	ug/L	100
33) 1,2-Dibromoethane	8.32	107	30130	5.00	ug/L	100
34) Tetrachloroethene	8.51	166	96836	5.00	ug/L	100
35) Chlorobenzene	9.12	112	193421	5.00	ug/L	100
36) Ethylbenzene	9.33	91	363088	5.00	ug/L	100
37) (m+p)Xylene	9.51	106	283487	10.00	ug/L	100
38) Styrene	9.77	104	194898	5.00	ug/L	100
39) o-Xylene	9.83	106	133180	5.00	ug/L	100
40) 1,1,2,2-Tetrachloroethane	9.82	83	32457	5.00	ug/L	100
42) Bromoform	9.50	173	21506	5.00	ug/L	100
43) 1,3-Diclbenzene	11.15	146	159052	5.00	ug/L	100
44) 1,4-Diclbenzene	11.21	146	155068	5.00	ug/L	100
45) 1,2-Diclbenzene	11.47	146	124316	5.00	ug/L	100
46) 1,2-Dibromo-3-chloropropan	11.84	75	3773	5.00	ug/L	100

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

DL 10/26/13

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D Vial: 10
Acq On : 26 Oct 2013 1:57 pm Operator: D.LIPANI
Sample : VSTD005 / 025 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:19 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:18:59 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

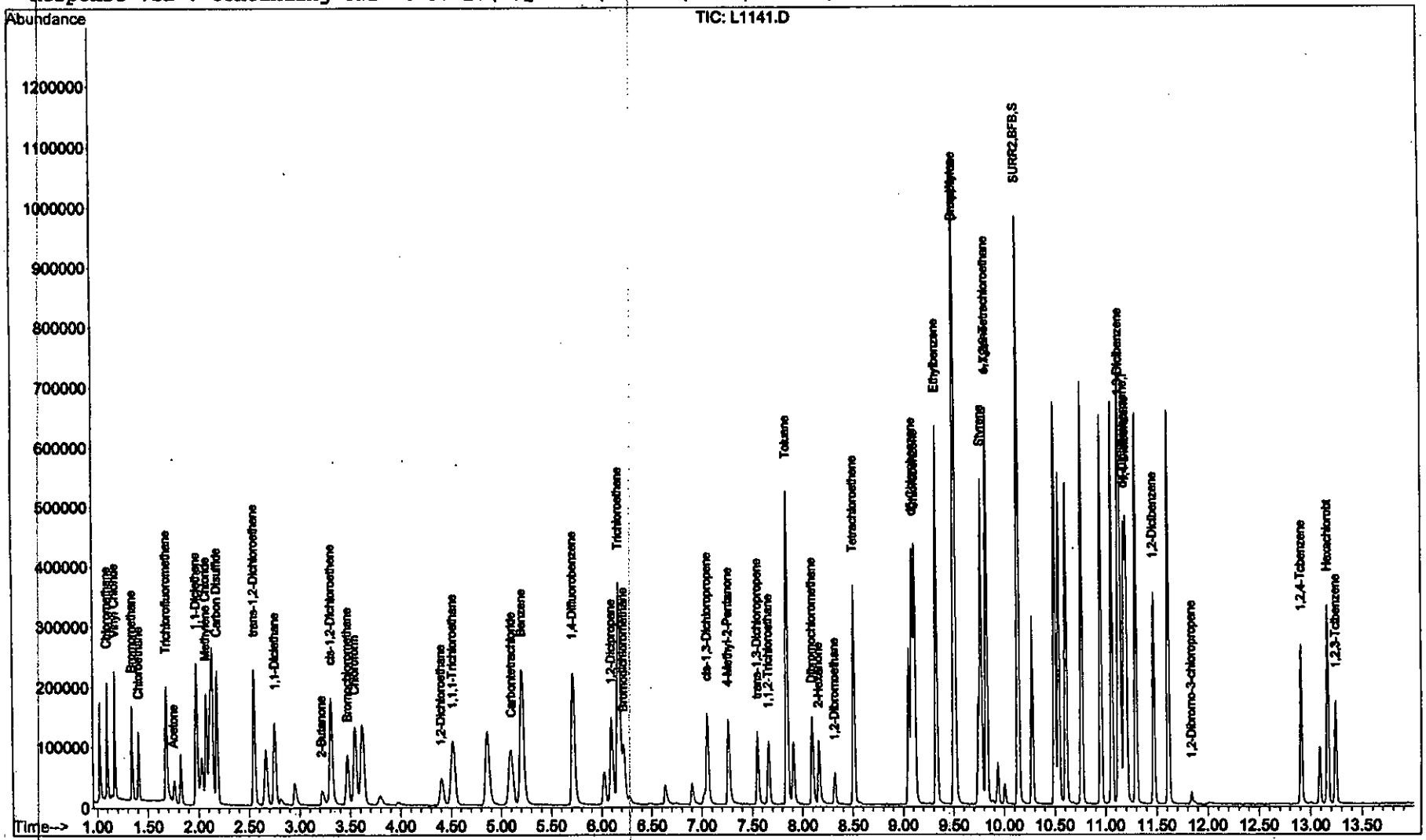
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	1,2,4-Tcbenzene	12.91	180	73234	5.00	ug/L	100
48)	Hexachlorobt	13.17	225	55847	5.00	ug/L	100
49)	1,2,3-Tclbenzene	13.24	180	47346	5.00	ug/L	100

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

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D Vial: 10
Acq On : 26 Oct 2013 1:57 pm Operator: D.LIPANI
Sample : VSTD005 / 025 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:19 2013 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:18:59 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D



Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1142.D Vial: 11
Acq On : 26 Oct 2013 2:33 pm Operator: D.LIPANI
Sample : VSTD010 / 050 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:29 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:29:14 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.72	114	232157	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.09	117	194300	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.19	152	91623	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.15	174	162109	9.93	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 198.60%#				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	186138	9.75	ug/L		98
3) Vinyl Chloride	1.18	62	183723	9.53	ug/L		98
4) Bromomethane	1.34	94	104694	10.01	ug/L		92
5) Chloroethane	1.41	64	104718	9.96	ug/L		99
6) Trichlorofluoromethane	1.68	101	202720	9.57	ug/L		96
7) Acetone	1.76	43	55601	48.82	ug/L		99
8) 1,1-Diclethene	1.98	96	116320	10.17	ug/L		96
9) Methylene Chloride	2.08	84	116846	9.72	ug/L		96
10) Carbon Disulfide	2.18	76	426256	9.84	ug/L		99
11) trans-1,2-Dichloroethene	2.54	96	146845	10.10	ug/L		99
12) 1,1-Diclethane	2.75	63	251310	9.95	ug/L		97
13) 2-Butanone	3.21	43	77777	48.76	ug/L	#	89
14) cis-1,2-Dichloroethene	3.30	96	147651	9.91	ug/L		95
15) Bromochloromethane	3.47	128	47994	9.59	ug/L		91
16) Chloroform	3.55	83	225548	9.86	ug/L		99
17) 1,2-Dichloroethane	4.40	62	91229	9.70	ug/L		100
20) 1,1,1-Trichloroethane	4.52	97	211851	10.11	ug/L		99
21) Carbontetrachloride	5.10	117	180889	10.00	ug/L		99
22) Benzene	5.20	78	562875	9.89	ug/L		98
23) 1,2-Diclpropane	6.10	63	126460	9.64	ug/L		100
24) Trichloroethene	6.16	95	158273	9.98	ug/L		99
25) Bromodichloromethane	6.22	83	135575	10.08	ug/L		99
26) cis-1,3-Dichloropropene	7.06	75	161167	9.57	ug/L		99
27) 4-Methyl-2-Pentanone	7.26	43	188591	47.89	ug/L		98
28) trans-1,3-Dichloropropene	7.55	75	110267	9.27	ug/L		96
29) 1,1,2-Trichloroethane	7.66	97	61224	9.31	ug/L		98
30) Toluene	7.84	91	624235	9.86	ug/L		99
31) Dibromochloromethane	8.10	129	77834	10.11	ug/L		98
32) 2-Hexanone	8.16	43	130362	47.04	ug/L		97
33) 1,2-Dibromoethane	8.32	107	57592	9.59	ug/L		98
34) Tetrachloroethene	8.51	166	193415	10.02	ug/L		99
35) Chlorobenzene	9.12	112	380062	9.86	ug/L		99
36) Ethylbenzene	9.32	91	711300	9.83	ug/L		98
37) (m+p)Xylene	9.51	106	556585	19.70	ug/L		99
38) Styrene	9.77	104	381958	9.83	ug/L		100
39) o-Xylene	9.83	106	262019	9.87	ug/L		100
40) 1,1,2,2-Tetrachloroethane	9.82	83	60904	9.41	ug/L		98
42) Bromoform	9.51	173	41632	9.91	ug/L	#	98
43) 1,3-Diclbenzene	11.15	146	310730	10.00	ug/L		99
44) 1,4-Diclbenzene	11.20	146	294837	9.73	ug/L		99
45) 1,2-Diclbenzene	11.47	146	231772	9.54	ug/L		98
46) 1,2-Dibromo-3-chloropropan	11.84	75	7056	9.57	ug/L		98

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

DL 10/26/13

Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1142.D Vial: 11
Acq On : 26 Oct 2013 2:33 pm Operator: D.LIPANI
Sample : VSTD010 / 050 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:29 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:29:14 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	1,2,4-Tcbenzene	12.91	180	142000	9.92	ug/L	99
48)	Hexachlorobt	13.17	225	109447	10.03	ug/L	97
49)	1,2,3-Tclbenzene	13.24	180	86351	9.33	ug/L	99

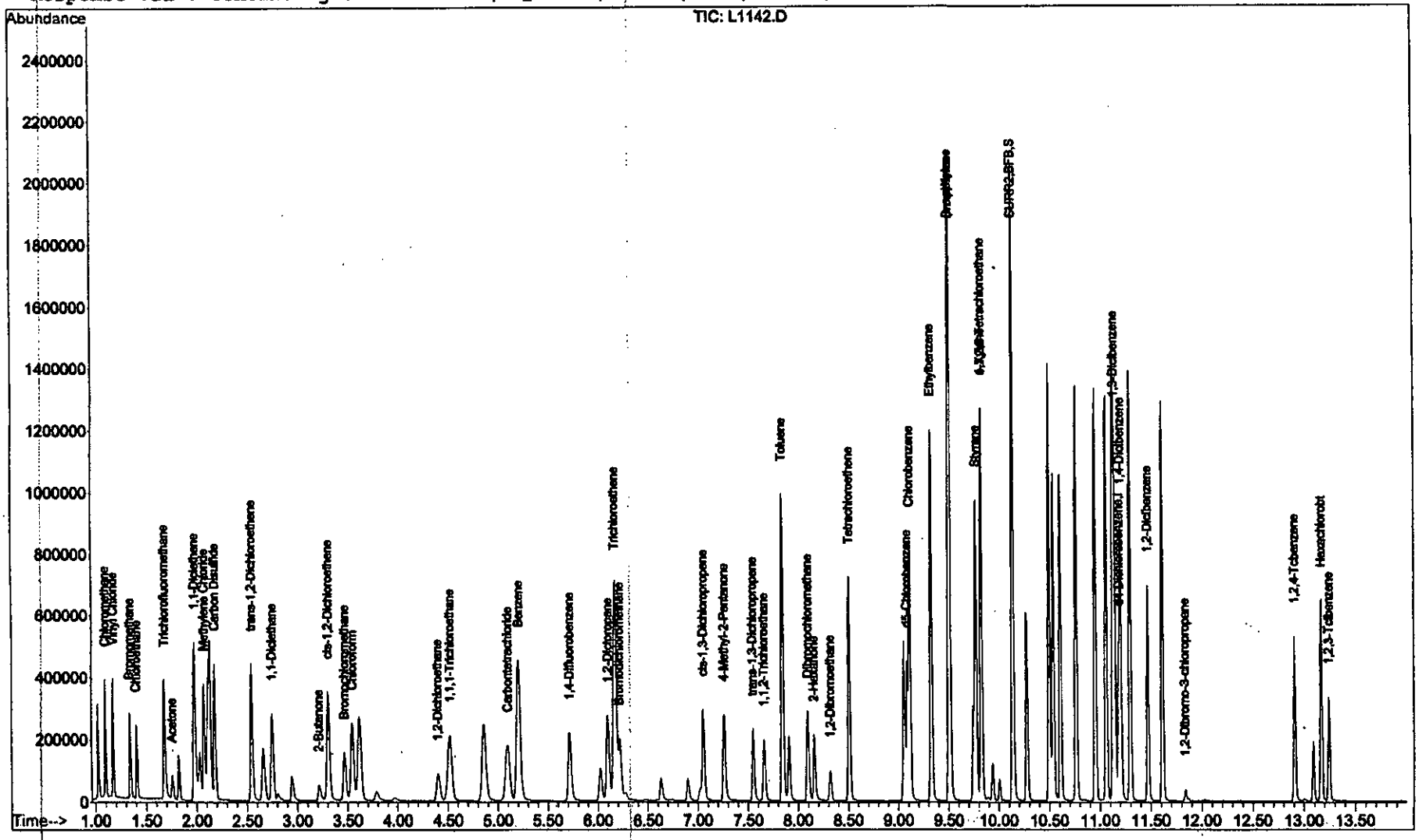
(#) = qualifier out of range (m) = manual integration

00349

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1142.D Vial: 11
Acq On : 26 Oct 2013 2:33 pm Operator: D.LIPANI
Sample : VSTD010 / 050 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:29 2013 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:29:14 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D



Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1143.D Vial: 12
Acq On : 26 Oct 2013 3:34 pm Operator: D.LIPANI
Sample : VSTD025 / 125 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 16:25 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:45:34 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	241470	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.09	117	179700	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	96102	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	403475	23.77	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 475.40%#			
Target Compounds						Qvalue
2) Chloromethane	1.10	50	462481	23.30	ug/L	96
3) Vinyl Chloride	1.17	62	455832	22.74	ug/L	97
4) Bromomethane	1.34	94	259204	23.83	ug/L	95
5) Chloroethane	1.41	64	254352	23.27	ug/L	98
6) Trichlorofluoromethane	1.68	101	514315	23.35	ug/L	98
7) Acetone	1.76	43	133208	112.45	ug/L	98
8) 1,1-Diclethene	1.98	96	292115	24.55	ug/L	96
9) Methylene Chloride	2.07	84	289596	23.15	ug/L	97
10) Carbon Disulfide	2.18	76	1070072	23.74	ug/L	97
11) trans-1,2-Dichloroethene	2.54	96	369296	24.42	ug/L	98
12) 1,1-Diclethane	2.75	63	635220	24.19	ug/L	97
13) 2-Butanone	3.21	43	194959	117.51	ug/L #	92
14) cis-1,2-Dichloroethene	3.30	96	370827	23.93	ug/L	98
15) Bromochloromethane	3.47	128	120069	23.08	ug/L	85
16) Chloroform	3.54	83	574389	24.15	ug/L	99
17) 1,2-Dichloroethane	4.40	62	223822	22.88	ug/L	98
20) 1,1,1-Trichloroethane	4.51	97	546694	28.21	ug/L	99
21) Carbontetrachloride	5.09	117	467889	27.96	ug/L	99
22) Benzene	5.20	78	1418615	26.94	ug/L	97
23) 1,2-Diclpropane	6.09	63	318221	26.24	ug/L	99
24) Trichloroethene	6.16	95	404330	27.56	ug/L #	48
25) Bromodichloromethane	6.22	83	345918	27.80	ug/L	99
26) cis-1,3-Dichloropropene	7.05	75	409110	26.26	ug/L	99
27) 4-Methyl-2-Pentanone	7.26	43	462946	127.10	ug/L	99
28) trans-1,3-Dichloropropene	7.55	75	284518	25.86	ug/L	98
29) 1,1,2-Trichloroethane	7.66	97	154989	25.49	ug/L	98
30) Toluene	7.84	91	1497638	25.59	ug/L	96
31) Dibromochloromethane	8.09	129	204661	28.75	ug/L	98
32) 2-Hexanone	8.16	43	312715	122.01	ug/L	98
33) 1,2-Dibromoethane	8.31	107	146582	26.38	ug/L	97
34) Tetrachloroethene	8.51	166	487706	27.31	ug/L	99
35) Chlorobenzene	9.11	112	912220	25.58	ug/L	98
36) Ethylbenzene	9.33	91	1653675	24.70	ug/L	93
37) (m+p)Xylene	9.51	106	1385816	53.02	ug/L	87
38) Styrene	9.77	104	929920	25.88	ug/L	98
39) o-Xylene	9.83	106	661818	26.95	ug/L	95
40) 1,1,2,2-Tetrachloroethane	9.82	83	154673	25.84	ug/L	99
42) Bromoform	9.51	173	110803	25.14	ug/L	99
43) 1,3-Diclbenzene	11.15	146	770008	23.62	ug/L	99
44) 1,4-Diclbenzene	11.20	146	739177	23.26	ug/L	98
45) 1,2-Diclbenzene	11.47	146	589734	23.15	ug/L	98
46) 1,2-Dibromo-3-chloropropan	11.83	75	17568	22.72	ug/L	95

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

QL 10/26/13

00351

Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1143.D Vial: 12
Acq On : 26 Oct 2013 3:34 pm Operator: D.LIPANI
Sample : VSTD025 / 125 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 16:25 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:45:34 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D
DataAcq Meth : OLC1026

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2,4-Tcbenzene	12.90	180	356059	23.73	ug/L	99
48) Hexachlorobt	13.17	225	278850	24.37	ug/L	98
49) 1,2,3-Tclbenzene	13.25	180	225623	23.25	ug/L	99

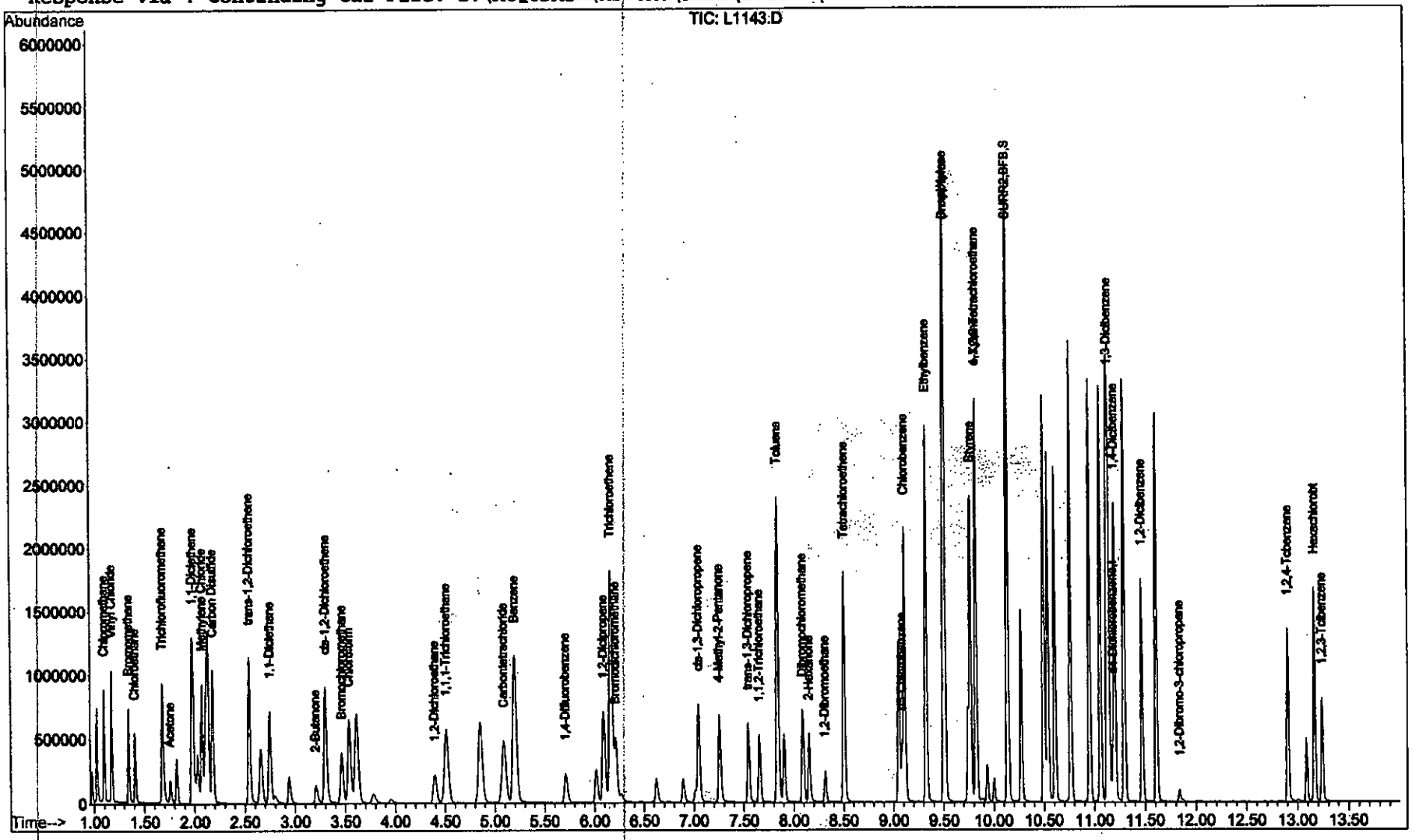
(#) = qualifier out of range (m) = manual integration

00352

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1143.D Vial: 12
Acq On : 26 Oct 2013 3:34 pm Operator: D.LIPANI
Sample : VSTD025 / 125 Inst : MS#6
Misc : OLC 2.1 ICAL GCMS#6 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 16:25 2013 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 15:45:34 2013
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\102613\L1141.D



Initial Calibration Verification Summary Report

Calibration ID: RC1300118 **Instrument ID:** R-MS-06
Column Name: 1

Analyte	Lab Code	Type	Curve Fit	True Value	Calc Conc	Units	Result	Criteria
1,1,1-Trichloroethane (TCA)	RC1300118-06	T	Average RF	5	4.754	ug/L	-4.9	<=30
1,1,2,2-Tetrachloroethane	RC1300118-06	T	Average RF	5	4.934	ug/L	-1.3	<=30
1,1,2-Trichloroethane	RC1300118-06	T	Average RF	5	4.929	ug/L	-1.4	<=30
1,1-Dichloroethane (1,1-DCA)	RC1300118-06	T	Average RF	5	5.124	ug/L	2.5	<=30
1,1-Dichloroethene (1,1-DCE)	RC1300118-06	T	Average RF	5	5.740	ug/L	14.8	<=30
1,2,3-Trichlorobenzene	RC1300118-06	T	Average RF	5	5.327	ug/L	6.5	<=30
1,2,4-Trichlorobenzene	RC1300118-06	T	Average RF	5	5.221	ug/L	4.4	<=30
1,2-Dibromo-3-chloropropane (DBCP)	RC1300118-06	T	Average RF	5	5.054	ug/L	1.1	<=30
1,2-Dibromoethane	RC1300118-06	T	Average RF	5	5.116	ug/L	2.3	<=30
1,2-Dichlorobenzene	RC1300118-06	T	Average RF	5	4.942	ug/L	-1.2	<=30
1,2-Dichloroethane	RC1300118-06	T	Average RF	5	5.074	ug/L	1.5	<=30
1,2-Dichloropropane	RC1300118-06	T	Average RF	5	4.960	ug/L	-0.8	<=30
1,3-Dichlorobenzene	RC1300118-06	T	Average RF	5	5.075	ug/L	1.5	<=30
1,4-Dichlorobenzene	RC1300118-06	T	Average RF	5	4.892	ug/L	-2.2	<=30
2-Butanone (MEK)	RC1300118-06	T	Average RF	25	28.70	ug/L	14.8	<=30
2-Hexanone	RC1300118-06	T	Average RF	25	26.08	ug/L	4.3	<=30
4-Methyl-2-pentanone	RC1300118-06	T	Average RF	25	26.44	ug/L	5.8	<=30
Acetone	RC1300118-06	T	Average RF	25	22.39	ug/L	-10.4	<=30
Benzene	RC1300118-06	T	Average RF	5	4.867	ug/L	-2.7	<=30
Bromochloromethane	RC1300118-06	T	Average RF	5	5.266	ug/L	5.3	<=30
Bromodichloromethane	RC1300118-06	T	Average RF	5	5.181	ug/L	3.6	<=30
Bromoform	RC1300118-06	T	Average RF	5	4.982	ug/L	-0.4	<=30
Bromomethane	RC1300118-07	T	Average RF	5	3.834	ng/L	-23.3	<=30
Carbon Disulfide	RC1300118-06	T	Average RF	25	26.09	ug/L	4.3	<=30
Carbon Tetrachloride	RC1300118-06	T	Average RF	5	4.813	ug/L	-3.7	<=30
Chlorobenzene	RC1300118-06	T	Average RF	5	4.928	ug/L	-1.4	<=30
Chloroethane	RC1300118-06	T	Average RF	5	5.137	ug/L	2.7	<=30
Chloroform	RC1300118-06	T	Average RF	5	5.192	ug/L	3.8	<=30
Chloromethane	RC1300118-06	T	Average RF	5	5.656	ug/L	13.1	<=30
Dibromochloromethane	RC1300118-06	T	Average RF	5	5.163	ug/L	3.3	<=30
Dichloromethane	RC1300118-06	T	Average RF	5	5.082	ug/L	1.6	<=30
Ethylbenzene	RC1300118-06	T	Average RF	5	4.943	ug/L	-1.1	<=30
Hexachlorobutadiene	RC1300118-06	T	Average RF	5	4.802	ug/L	-4.0	<=30
Styrene	RC1300118-06	T	Average RF	5	4.933	ug/L	-1.3	<=30
Tetrachloroethene (PCE)	RC1300118-06	T	Average RF	5	4.693	ug/L	-6.1	<=30
Toluene	RC1300118-06	T	Average RF	5	4.918	ug/L	-1.6	<=30
Trichloroethene (TCE)	RC1300118-06	T	Average RF	5	4.728	ug/L	-5.4	<=30
Trichlorofluoromethane (CFC 11)	RC1300118-06	T	Average RF	5	4.908	ug/L	-1.8	<=30
Vinyl Chloride	RC1300118-06	T	Average RF	5	5.008	ug/L	0.2	<=30
cis-1,2-Dichloroethene	RC1300118-06	T	Average RF	5	5.041	ug/L	0.8	<=30
cis-1,3-Dichloropropene	RC1300118-06	T	Average RF	5	4.878	ug/L	-2.4	<=30
m,p-Xylenes	RC1300118-06	T	Average RF	10	9.735	ug/L	-2.6	<=30
o-Xylene	RC1300118-06	T	Average RF	5	5.000	ug/L	0.0	<=30
trans-1,2-Dichloroethene	RC1300118-06	T	Average RF	5	5.049	ug/L	1.0	<=30
trans-1,3-Dichloropropene	RC1300118-06	T	Average RF	5	4.893	ug/L	-2.1	<=30
4-Bromofluorobenzene	RC1300118-06	S	Average RF	5	5.218	ug/L	4.4	<=30

Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1145.D Vial: 14
Acq On : 26 Oct 2013 4:43 pm Operator: D.LIPANI
Sample : ICV Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:57 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 16:26:32 2013
Response via : Initial Calibration
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.72	114	237008	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.09	117	200212	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	97159	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	85203	5.22	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 104.40%				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	104668	5.66	ug/L		98
3) Vinyl Chloride	1.17	62	93201	5.01	ug/L		98
4) Bromomethane	1.34	94	76646	7.09	ug/L		96
5) Chloroethane	1.41	64	53201	5.14	ug/L		100
6) Trichlorofluoromethane	1.68	101	103036	4.91	ug/L		99
7) Acetone	1.76	43	27401	22.39	ug/L		88
8) 1,1-Diclethene	1.98	96	67193	5.74	ug/L		99
9) Methylene Chloride	2.08	84	61179	5.08	ug/L		98
10) Carbon Disulfide	2.18	76	1148903	26.09	ug/L		97
11) trans-1,2-Dichloroethene	2.55	96	73983	5.05	ug/L		97
12) 1,1-Diclethane	2.76	63	129531	5.12	ug/L		97
13) 2-Butanone	3.22	43	43063	28.70	ug/L	#	96
14) cis-1,2-Dichloroethene	3.31	96	74807	5.04	ug/L		97
15) Bromochloromethane	3.47	128	25896	5.27	ug/L		96
16) Chloroform	3.55	83	117889	5.19	ug/L		94
17) 1,2-Dichloroethane	4.40	62	45922	5.07	ug/L		100
20) 1,1,1-Trichloroethane	4.52	97	105272	4.75	ug/L		100
21) Carbontetrachloride	5.09	117	88703	4.81	ug/L		98
22) Benzene	5.21	78	287501	4.87	ug/L		98
23) 1,2-Diclpropane	6.10	63	65663	4.96	ug/L		99
24) Trichloroethene	6.17	95	79227	4.73	ug/L		98
25) Bromodichloromethane	6.22	83	72263	5.18	ug/L		98
26) cis-1,3-Dichloropropene	7.05	75	82602	4.88	ug/L		98
27) 4-Methyl-2-Pentanone	7.26	43	105744	26.44	ug/L		100
28) trans-1,3-Dichloropropene	7.55	75	57388	4.89	ug/L		97
29) 1,1,2-Trichloroethane	7.66	97	32331	4.93	ug/L		96
30) Toluene	7.85	91	320206	4.92	ug/L		100
31) Dibromochloromethane	8.10	129	40910	5.16	ug/L		94
32) 2-Hexanone	8.16	43	71171	26.08	ug/L		99
33) 1,2-Dibromoethane	8.32	107	31330	5.12	ug/L		100
34) Tetrachloroethene	8.51	166	95299	4.69	ug/L		98
35) Chlorobenzene	9.12	112	195460	4.93	ug/L		99
36) Ethylbenzene	9.33	91	366680	4.94	ug/L		99
37) (m+p)Xylene	9.51	106	283098	9.74	ug/L		98
38) Styrene	9.77	104	194508	4.93	ug/L		99
39) o-Xylene	9.83	106	137151	5.00	ug/L		99
40) 1,1,2,2-Tetrachloroethane	9.82	83	32590	4.93	ug/L		96
42) Bromoform	9.51	173	21646	4.98	ug/L	#	94
43) 1,3-Diclbenzene	11.15	146	166095	5.07	ug/L		99
44) 1,4-Diclbenzene	11.20	146	155256	4.89	ug/L		99
45) 1,2-Diclbenzene	11.47	146	124839	4.94	ug/L		97
46) 1,2-Dibromo-3-chloropropan	11.83	75	3582	5.05	ug/L		89

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

DL 11/11/13

Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1145.D Vial: 14
Acq On : 26 Oct 2013 4:43 pm Operator: D.LIPANI
Sample : ICV Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:57 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Oct 26 16:26:32 2013
Response via : Initial Calibration
DataAcq Meth : OLC1026

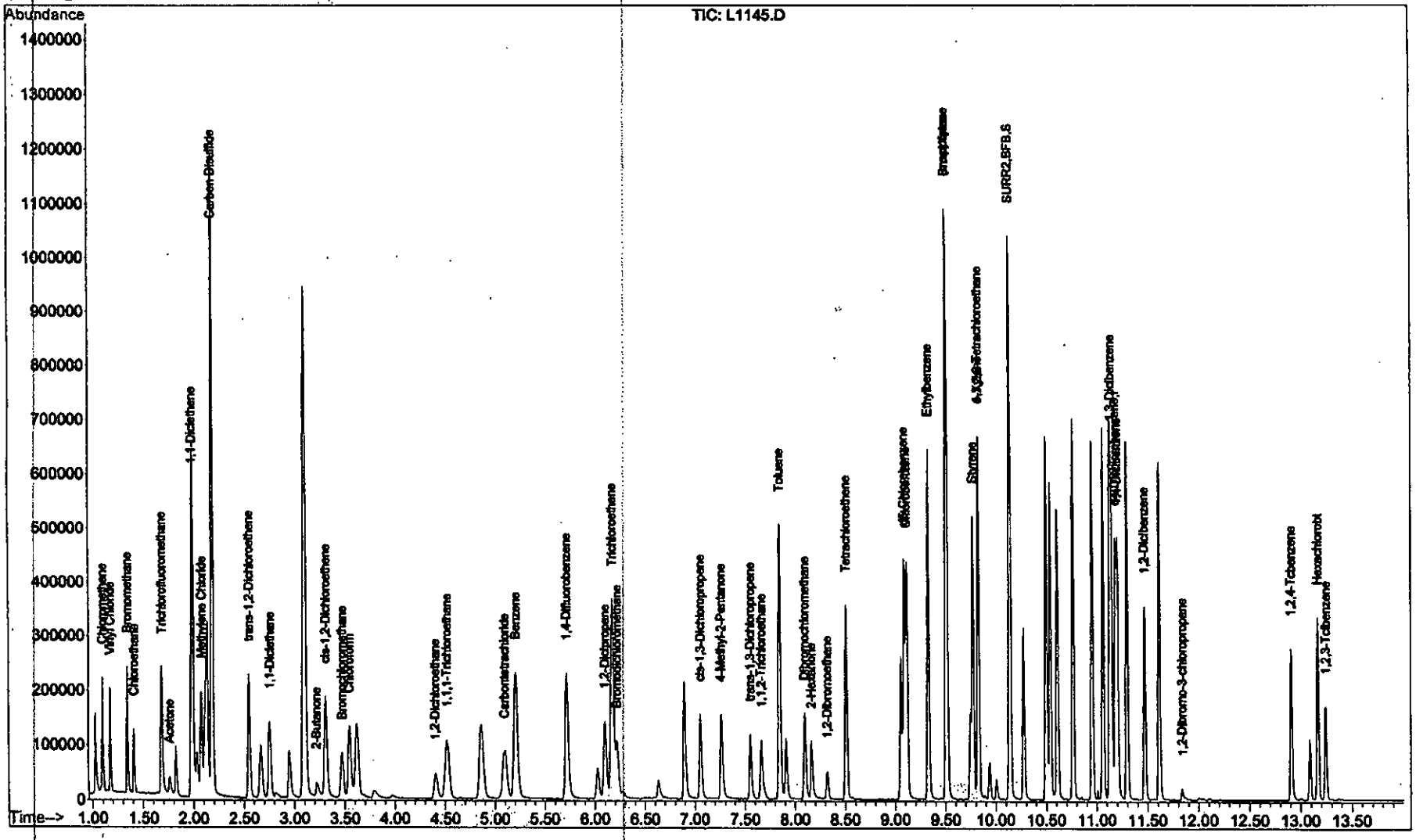
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2,4-Tcbenzene	12.90	180	76266	5.22	ug/L	99
48) Hexachlorobt	13.17	225	54375	4.80	ug/L	96
49) 1,2,3-Tclbenzene	13.25	180	48643	5.33	ug/L	97

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

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1145.D Vial: 14
Acq On : 26 Oct 2013 4:43 pm Operator: D.LIPANI
Sample : ICV Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 26 15:57 2013 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Tue Oct 29 07:16:25 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1148.D Vial: 17
Acq On : 26 Oct 2013 6:32 pm Operator: D.LIPANI
Sample : LCS/ICV#2 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 29 14:55 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Tue Oct 29 07:16:25 2013
Response via : Initial Calibration
DataAcq Meth : OLC1026

Bromomethane only.

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.72	114	237855	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.09	117	198495	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	96752	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	87642	5.35	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 107.00%				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	96884	5.22	ug/L		98
3) Vinyl Chloride	1.17	62	94766	5.07	ug/L		100
4) Bromomethane	1.35	94	41617	3.83	ug/L		93
5) Chloroethane	1.41	64	53507	5.15	ug/L		98
6) Trichlorofluoromethane	1.69	101	108401	5.14	ug/L		98
7) Acetone	1.77	43	1282	1.04	ug/L		65
8) 1,1-Diclethene	1.98	96	66063	5.62	ug/L		93
9) Methylene Chloride	2.08	84	63835	5.28	ug/L		95
11) trans-1,2-Dichloroethene	2.55	96	74465	5.06	ug/L		98
12) 1,1-Diclethane	2.76	63	130363	5.14	ug/L		99
13) 2-Butanone	3.24	43	373	0.25	ug/L	#	58
14) cis-1,2-Dichloroethene	3.31	96	75523	5.07	ug/L		98
15) Bromochloromethane	3.47	128	25424	5.15	ug/L		91
16) Chloroform	3.55	83	118282	5.19	ug/L		98
17) 1,2-Dichloroethane	4.40	62	48201	5.31	ug/L		96
20) 1,1,1-Trichloroethane	4.52	97	109367	4.98	ug/L		98
21) Carbontetrachloride	5.10	117	91746	5.02	ug/L	#	94
22) Benzene	5.21	78	290006	4.95	ug/L		99
23) 1,2-Diclpropane	6.10	63	66260	5.05	ug/L		98
24) Trichloroethene	6.17	95	80993	4.87	ug/L		99
25) Bromodichloromethane	6.22	83	71706	5.19	ug/L		99
26) cis-1,3-Dichloropropene	7.06	75	83480	4.97	ug/L		100
28) trans-1,3-Dichloropropene	7.55	75	58167	5.00	ug/L		98
29) 1,1,2-Trichloroethane	7.66	97	31364	4.82	ug/L		96
30) Toluene	7.85	91	323921	5.02	ug/L		99
31) Dibromochloromethane	8.10	129	39783	5.06	ug/L		100
32) 2-Hexanone	8.21	43	315	0.12	ug/L	#	53
33) 1,2-Dibromoethane	8.32	107	32454	5.34	ug/L		93
34) Tetrachloroethene	8.51	166	96851	4.81	ug/L		99
35) Chlorobenzene	9.12	112	199847	5.08	ug/L		98
36) Ethylbenzene	9.33	91	374802	5.10	ug/L		100
37) (m+p)Xylene	9.51	106	287039	9.96	ug/L		97
38) Styrene	9.77	104	200252	5.12	ug/L		99
39) o-Xylene	9.83	106	134713	4.95	ug/L		97
40) 1,1,2,2-Tetrachloroethane	9.82	83	33768	5.16	ug/L		99
42) Bromoform	9.51	173	21724	5.02	ug/L		97
43) 1,3-Diclbenzene	11.15	146	164451	5.05	ug/L		99
44) 1,4-Diclbenzene	11.20	146	161623	5.11	ug/L		100
45) 1,2-Diclbenzene	11.47	146	128687	5.12	ug/L		96
46) 1,2-Dibromo-3-chloropropan	11.84	75	4195	5.94	ug/L		91
47) 1,2,4-Tcbenzene	12.91	180	78788	5.42	ug/L		98
48) Hexachlorobt	13.17	225	56614	5.02	ug/L		96

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

DL 10/29/13

Quantitation Report (QT Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1148.D Vial: 17
Acq On : 26 Oct 2013 6:32 pm Operator: D.LIPANI
Sample : LCS/ICV#2 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 29 14:55 2013 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Tue Oct 29 07:16:25 2013
Response via : Initial Calibration
DataAcq Meth : OLC1026

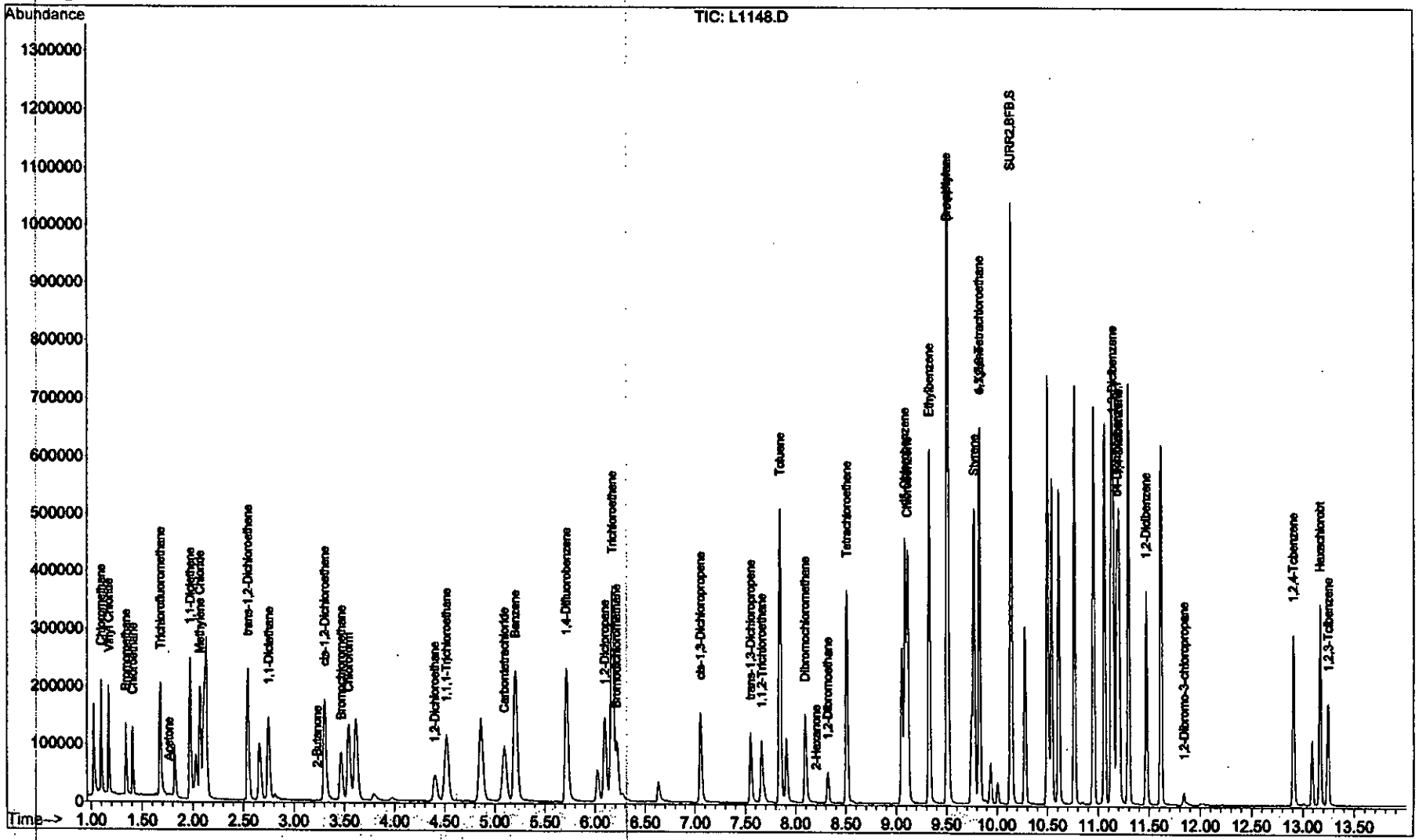
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49)	1,2,3-Tclbenzene	13.25	180	50263	5.53	ug/L	98

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

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1148.D Vial: 17
Acq On : 26 Oct 2013 6:32 pm Operator: D.LIPANI
Sample : LCS/ICV#2 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Oct 29 14:55 2013 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Tue Oct 29 07:16:25 2013
Response via : Initial Calibration



ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/21/14

Continuing Calibration Verification Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D\

Calibration Date: 10/26/13
Calibration ID: RC1300118
Analysis Lot: 393569
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	5.00	5.49	0.5530	0.6465	16.9	NA	± 30 %	Average RF
1,1,2,2-Tetrachloroethane	5.00	4.87	0.1649	0.1733	5.1	NA	± 30 %	Average RF
1,1,2-Trichloroethane	5.00	5.04	0.1638	0.1656	1.1	NA	± 30 %	Average RF
1,1-Dichloroethane (1,1-DCA)	5.00	5.20	0.5333	0.5968	11.9	NA	± 30 %	Average RF
1,1-Dichloroethene (1,1-DCE)	5.00	5.60	0.2470	0.2600	5.3	NA	± 30 %	Average RF
1,2,3-Trichlorobenzene	5.00	4.77	0.4700	0.4700	0.0	NA	± 30 %	Average RF
1,2,4-Trichlorobenzene	5.00	5.11	0.7518	0.7362	-2.1	NA	± 100 %	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	5.00	4.85	0.03647	0.04719	29.4	NA	± 100 %	Average RF
1,2-Dibromoethane	5.00	5.13	0.1529	0.1601	4.7	NA	± 30 %	Average RF
1,2-Dichloroethane	5.00	5.17	0.1909	0.2256	18.2	NA	± 30 %	Average RF
1,2-Dichlorobenzene	5.00	5.05	1.300	1.324	1.8	NA	± 30 %	Average RF
1,2-Dichloropropane	5.00	4.97	0.3306	0.3467	4.9	NA	± 100 %	Average RF
1,3-Dichlorobenzene	5.00	5.10	1.684	1.777	5.5	NA	± 30 %	Average RF
1,4-Dichlorobenzene	5.00	5.24	1.633	1.711	4.8	NA	± 30 %	Average RF
2-Butanone (MEK)	25.0	17.6	0.03166	0.02925	-7.6	NA	± 100 %	Average RF
2-Hexanone	25.0	19.9	0.06816	0.07208	5.8	NA	± 100 %	Average RF
4-Methyl-2-pentanone	25.0	20.2	0.09988	0.1046	4.7	NA	± 100 %	Average RF
Acetone	25.0	18.9	0.02582	0.02077	-19.5	NA	± 100 %	Average RF
Benzene	5.00	5.23	1.475	1.554	5.4	NA	± 30 %	Average RF
Bromochloromethane	5.00	4.83	0.1037	0.1017	-1.9	NA	± 30 %	Average RF
Bromodichloromethane	5.00	5.30	0.3483	0.4113	18.1	NA	± 30 %	Average RF
Bromoform	5.00	5.03	0.2236	0.2820	26.1	NA	± 30 %	Average RF
Bromomethane	5.00	4.72	0.2282	0.2361	3.5	NA	± 30 %	Average RF
Carbon Disulfide	5.00	4.72	0.9291	0.9760	5.0	NA	± 100 %	Average RF
Carbon Tetrachloride	5.00	5.63	0.4602	0.5595	21.6	NA	± 30 %	Average RF
Chlorobenzene	5.00	5.22	0.9904	1.002	1.2	NA	± 30 %	Average RF
Chloroethane	5.00	4.74	0.2185	0.2053	-6.0	NA	± 100 %	Average RF
Chloroform	5.00	5.25	0.4791	0.5407	12.9	NA	± 30 %	Average RF
Chloromethane	5.00	5.22	0.3904	0.4401	12.7	NA	± 100 %	Average RF
cis-1,2-Dichloroethene	5.00	5.14	0.3130	0.3272	4.5	NA	± 100 %	Average RF
cis-1,3-Dichloropropene	5.00	5.30	0.4229	0.4392	3.9	NA	± 30 %	Average RF
Dibromochloromethane	5.00	5.58	0.1979	0.2428	22.7	NA	± 30 %	Average RF
Ethylbenzene	5.00	5.34	1.853	1.961	5.8	NA	± 30 %	Average RF
Hexachlorobutadiene	5.00	5.75	0.5828	0.5110	-12.3	NA	± 30 %	Average RF
m,p-Xylenes	10.0	10.5	0.7262	0.7252	-0.1	NA	± 30 %	Average RF
Dichloromethane (Methylene Chloride)	5.00	5.20	0.2540	0.2581	1.6	NA	± 100 %	Average RF
o-Xylene	5.00	5.19	0.6850	0.6842	-0.1	NA	± 30 %	Average RF
Styrene	5.00	5.26	0.9847	0.9650	-2.0	NA	± 30 %	Average RF
Tetrachloroethene (PCE)	5.00	5.70	0.5071	0.4821	-4.9	NA	± 30 %	Average RF
Toluene	5.00	5.44	1.626	1.746	7.4	NA	± 30 %	Average RF

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/21/14

Continuing Calibration Verification Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D\

Calibration Date: 10/26/13
Calibration ID: RC1300118
Analysis Lot: 393569
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
trans-1,2-Dichloroethene	5.00	5.27	0.3091	0.3187	3.1	NA	± 100 %	Average RF
trans-1,3-Dichloropropene	5.00	5.33	0.2929	0.3043	3.9	NA	± 30 %	Average RF
Trichloroethene (TCE)	5.00	5.44	0.4185	0.4414	5.5	NA	± 30 %	Average RF
Trichlorofluoromethane (CFC 11)	5.00	5.25	0.4429	0.5189	17.2	NA	± 30 %	Average RF
Vinyl Chloride	5.00	5.19	0.3926	0.4035	2.8	NA	± 30 %	Average RF
4-Bromofluorobenzene	5.00	4.93	0.3445	0.3176	-7.8	NA	± 30 %	Average RF

Evaluate Continuing Calibration Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D Vial: 8
Acq On : 21 May 2014 1:44 pm Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Apr 19 13:46:16 2014
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

DL 5/21/14

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		1,4-Difluorobenzene	1.0000	1.0000	0.0	163	0.00
2		Chloromethane	0.3904	0.4401	-12.7	174	0.00
3		Vinyl Chloride	0.3926	0.4035	-2.8	158	0.00
4		Bromomethane	0.2282	0.2361	-3.5	171	0.00
5		Chloroethane	0.2185	0.2053	6.0	148	0.00
6		Trichlorofluoromethane	0.4429	0.5189	-17.2	185	0.00
7		Acetone	0.0258	0.0208	19.4	138	0.00
8		1,1-Diclethene	0.2470	0.2600	-5.3	172	0.00
9		Methylene Chloride	0.2540	0.2581	-1.6	162	0.00
10		Carbon Disulfide	0.9291	0.9760	-5.0	170	0.00
11		trans-1,2-Dichloroethene	0.3091	0.3187	-3.1	166	0.00
12		1,1-Diclethane	0.5333	0.5968	-11.9	179	0.00
13		2-Butanone	0.0317	0.0293	7.6	139	0.00
14		cis-1,2-Dichloroethene	0.3130	0.3272	-4.5	166	0.00
15		Bromochloromethane	0.1037	0.1017	1.9	154	0.00
16		Chloroform	0.4791	0.5407	-12.9	179	0.00
17		1,2-Dichloroethane	0.1909	0.2256	-18.2	181	-0.01
18	S	SURR2,BFB	0.3445	0.3176	7.8	147	0.00
19		d5-Chlorobenzene	1.0000	1.0000	0.0	157	0.00
20		1,1,1-Trichloroethane	0.5530	0.6465	-16.9	189	0.00
21		Carbontetrachloride	0.4602	0.5595	-21.6	189	0.00
22		Benzene	1.4751	1.5542	-5.4	167	0.00
23		1,2-Diclpropane	0.3306	0.3467	-4.9	162	0.00
24		Trichloroethene	0.4185	0.4414	-5.5	170	0.00
25		Bromodichloromethane	0.3483	0.4113	-18.1	187	0.00
26		cis-1,3-Dichloropropene	0.4229	0.4392	-3.9	160	0.00
27		4-Methyl-2-Pentanone	0.0999	0.1046	-4.7	162	0.00
28		trans-1,3-Dichloropropene	0.2929	0.3043	-3.9	156	0.00
29		1,1,2-Trichloroethane	0.1638	0.1656	-1.1	154	0.00
30		Toluene	1.6260	1.7461	-7.4	169	0.00
31		Dibromochloromethane	0.1979	0.2428	-22.7	193	0.00
32		2-Hexanone	0.0682	0.0721	-5.7	159	0.00
33		1,2-Dibromoethane	0.1529	0.1601	-4.7	163	0.00
34		Tetrachloroethene	0.5071	0.4821	4.9	153	0.00
35		Chlorobenzene	0.9904	1.0019	-1.2	159	0.00
36		Ethylbenzene	1.8527	1.9606	-5.8	166	0.00
37		(m+p)Xylene	0.7262	0.7252	0.1	157	0.00
38		Styrene	0.9847	0.9650	2.0	152	0.00
39		o-Xylene	0.6850	0.6842	0.1	158	0.00
40		1,1,2,2-Tetrachloroethane	0.1649	0.1733	-5.1	164	0.00
41	I	d4-Dichlorobenzene	1.0000	1.0000	0.0	147	0.00
42		Bromoform	0.2236	0.2820	-26.1	181	0.00
43		1,3-Diclbenzene	1.6843	1.7769	-5.5	154	0.00
44		1,4-Diclbenzene	1.6331	1.7109	-4.8	152	0.00
45		1,2-Diclbenzene	1.3001	1.3235	-1.8	147	0.00
46		1,2-Dibromo-3-chloropropane	0.0365	0.0472	-29.3	172	0.00
47		1,2,4-Tcbenzene	0.7518	0.7362	2.1	138	0.00
48		Hexachlorobt	0.5828	0.5110	12.3	126	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D Vial: 8
Acq On : 21 May 2014 1:44 pm Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Apr 19 13:46:16 2014
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	1,2,3-Tclbenzene	0.4700	0.4700	0.0	137	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L4970.D OLC1026.M Wed May 21 14:06:51 2014 00364 Page 2

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D Vial: 8
Acq On : 21 May 2014 1:44 pm Operator: D.Lipani
Sample : VSTD RQ1405678-02 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 14:02 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Apr 19 13:46:16 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\041914\L4289.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	380781	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	306763	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	137711	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	120949	4.93	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.60%				
Target Compounds							Qvalue
2) Chloromethane	1.09	50	167596	5.22	ug/L		96
3) Vinyl Chloride	1.17	62	153663	5.19	ug/L		96
4) Bromomethane	1.34	94	89898	4.72	ug/L		98
5) Chloroethane	1.40	64	78168	4.74	ug/L		99
6) Trichlorofluoromethane	1.68	101	197588	5.25	ug/L		100
7) Acetone	1.76	43	39551	18.85	ug/L		96
8) 1,1-Diclethene	1.97	96	98996	5.60	ug/L		84
9) Methylene Chloride	2.07	84	98276	5.20	ug/L		91
10) Carbon Disulfide	2.18	76	371631	4.72	ug/L		99
11) trans-1,2-Dichloroethene	2.54	96	121360	5.27	ug/L		93
12) 1,1-Diclethane	2.74	63	227259	5.20	ug/L		100
13) 2-Butanone	3.21	43	55697	17.63	ug/L		93
14) cis-1,2-Dichloroethene	3.30	96	124577	5.14	ug/L		89
15) Bromochloromethane	3.46	128	38732	4.83	ug/L		80
16) Chloroform	3.53	83	205871	5.25	ug/L		95
17) 1,2-Dichloroethane	4.38	62	85921	5.17	ug/L		93
20) 1,1,1-Trichloroethane	4.51	97	198323	5.49	ug/L		97
21) Carbontetrachloride	5.08	117	171632	5.63	ug/L		96
22) Benzene	5.19	78	476758	5.23	ug/L		98
23) 1,2-Diclpropane	6.09	63	106349	4.97	ug/L		94
24) Trichloroethene	6.15	95	135402	5.44	ug/L		94
25) Bromodichloromethane	6.21	83	126183	5.30	ug/L		97
26) cis-1,3-Dichloropropene	7.05	75	134740	5.30	ug/L		98
27) 4-Methyl-2-Pentanone	7.25	43	160397	20.19	ug/L		94
28) trans-1,3-Dichloropropene	7.55	75	93342	5.33	ug/L		96
29) 1,1,2-Trichloroethane	7.66	97	50785	5.04	ug/L		94
30) Toluene	7.84	91	535633	5.44	ug/L		98
31) Dibromochloromethane	8.09	129	74490	5.58	ug/L		98
32) 2-Hexanone	8.15	43	110563	19.86	ug/L		95
33) 1,2-Dibromoethane	8.31	107	49113	5.13	ug/L		100
34) Tetrachloroethene	8.50	166	147877	5.70	ug/L		96
35) Chlorobenzene	9.11	112	307333	5.22	ug/L		96
36) Ethylbenzene	9.32	91	601442	5.34	ug/L		99
37) (m+p)Xylene	9.50	106	444942	10.46	ug/L		91
38) Styrene	9.77	104	296038	5.26	ug/L		95
39) o-Xylene	9.82	106	209875	5.19	ug/L		90
40) 1,1,2,2-Tetrachloroethane	9.81	83	53177	4.87	ug/L		98
42) Bromoform	9.50	173	38837	5.03	ug/L	#	95
43) 1,3-Diclbenzene	11.14	146	244693	5.10	ug/L		98
44) 1,4-Diclbenzene	11.20	146	235605	5.24	ug/L		98
45) 1,2-Diclbenzene	11.47	146	182267	5.05	ug/L		97
46) 1,2-Dibromo-3-chloropropan	11.83	75	6498	4.85	ug/L	#	80

DL 5/21/14

(#) = qualifier out of range (m) = manual integration
L4970.D OLC1026.M Wed May 21 14:02:16 2014

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D Vial: 8
Acq On : 21 May 2014 1:44 pm Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 14:02 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Apr 19 13:46:16 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\041914\L4289.D
DataAcq Meth : OLC1026

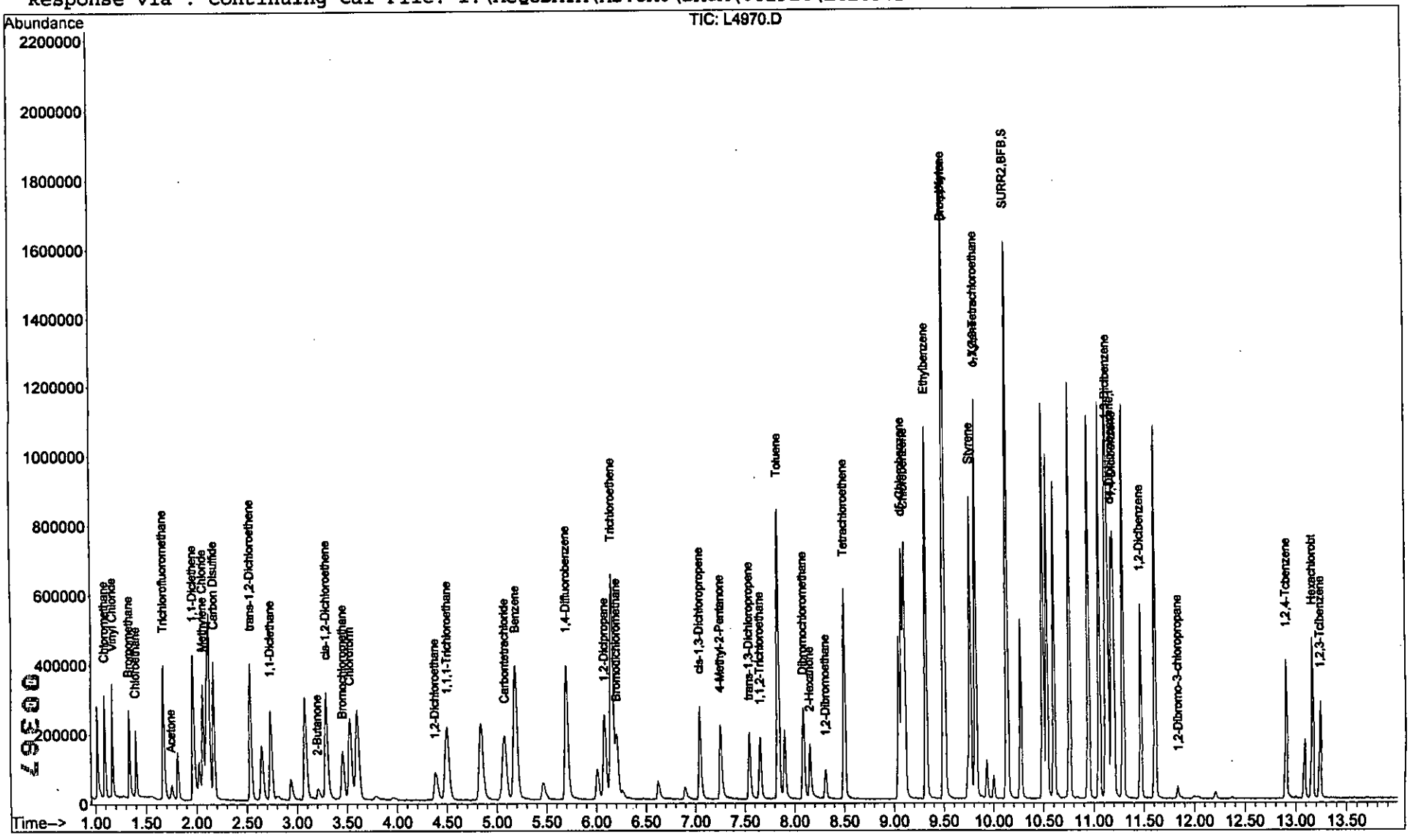
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47)	1,2,4-Tcbenzene	12.90	180	101377	5.11 ug/L	99
48)	Hexachlorobt	13.16	225	70368	5.75 ug/L	99
49)	1,2,3-Tclbenzene	13.24	180	64730	4.77 ug/L	97

(#) = qualifier out of range (m) = manual integration
L4970.D OLC1026.M Wed May 21 14:02:17 2014 00366 Page 2

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D Vial: 8
Acq On : 21 May 2014 1:44 pm Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 14:02 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Sat Apr 19 13:46:16 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\041914\L4289.D



ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/22/14

Continuing Calibration Verification Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D\

Calibration Date: 10/26/13
Calibration ID: RC1300118
Analysis Lot: 393678
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	5.00	4.70	0.5530	0.6072	9.8	NA	± 30 %	Average RF
1,1,2,2-Tetrachloroethane	5.00	5.44	0.1649	0.1884	14.2	NA	± 30 %	Average RF
1,1,2-Trichloroethane	5.00	5.11	0.1638	0.1694	3.4	NA	± 30 %	Average RF
1,1-Dichloroethane (1,1-DCA)	5.00	5.02	0.5333	0.5994	12.4	NA	± 30 %	Average RF
1,1-Dichloroethene (1,1-DCE)	5.00	5.01	0.2470	0.2604	5.5	NA	± 30 %	Average RF
1,2,3-Trichlorobenzene	5.00	5.16	0.4700	0.4848	3.2	NA	± 30 %	Average RF
1,2,4-Trichlorobenzene	5.00	5.14	0.7518	0.7564	0.6	NA	± 100 %	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	5.00	5.63	0.03647	0.05318	45.8	NA	± 100 %	Average RF
1,2-Dibromoethane	5.00	5.16	0.1529	0.1653	8.1	NA	± 30 %	Average RF
1,2-Dichloroethane	5.00	5.42	0.1909	0.2446	28.1	NA	± 30 %	Average RF
1,2-Dichlorobenzene	5.00	4.98	1.300	1.317	1.3	NA	± 30 %	Average RF
1,2-Dichloropropane	5.00	5.03	0.3306	0.3488	5.5	NA	± 100 %	Average RF
1,3-Dichlorobenzene	5.00	4.60	1.684	1.636	-2.9	NA	± 30 %	Average RF
I,4-Dichlorobenzene	5.00	4.58	1.633	1.566	-4.1	NA	± 30 %	Average RF
2-Butanone (MEK)	25.0	32.5	0.03166	0.03800	20.0	NA	± 100 %	Average RF
2-Hexanone	25.0	28.4	0.06816	0.08199	20.3	NA	± 100 %	Average RF
4-Methyl-2-pentanone	25.0	29.8	0.09988	0.1245	24.6	NA	± 100 %	Average RF
Acetone	25.0	28.4	0.02582	0.02358	-8.6	NA	± 100 %	Average RF
Benzene	5.00	4.77	1.475	1.482	0.4	NA	± 30 %	Average RF
Bromochloromethane	5.00	5.75	0.1037	0.1169	12.7	NA	± 30 %	Average RF
Bromodichloromethane	5.00	4.96	0.3483	0.4080	17.1	NA	± 30 %	Average RF
Bromoform	5.00	4.80	0.2236	0.2706	21.0	NA	± 30 %	Average RF
Bromomethane	5.00	5.63	0.2282	0.2659	16.5	NA	± 30 %	Average RF
Carbon Disulfide	5.00	5.31	0.9291	1.037	11.6	NA	± 100 %	Average RF
Carbon Tetrachloride	5.00	4.61	0.4602	0.5154	12.0	NA	± 30 %	Average RF
Chlorobenzene	5.00	4.80	0.9904	0.9623	-2.8	NA	± 30 %	Average RF
Chloroethane	5.00	5.52	0.2185	0.2267	3.7	NA	± 100 %	Average RF
Chloroform	5.00	5.15	0.4791	0.5568	16.2	NA	± 30 %	Average RF
Chloromethane	5.00	5.01	0.3904	0.4407	12.9	NA	± 100 %	Average RF
cis-1,2-Dichloroethene	5.00	5.15	0.3130	0.3372	7.7	NA	± 100 %	Average RF
cis-1,3-Dichloropropene	5.00	4.69	0.4229	0.4116	-2.7	NA	± 30 %	Average RF
Dibromochloromethane	5.00	5.01	0.1979	0.2433	22.9	NA	± 30 %	Average RF
Ethylbenzene	5.00	4.65	1.853	1.823	-1.6	NA	± 30 %	Average RF
Hexachlorobutadiene	5.00	4.45	0.5828	0.4547	-22.0	NA	± 30 %	Average RF
m,p-Xylenes	10.0	9.39	0.7262	0.6813	-6.2	NA	± 30 %	Average RF
Dichloromethane (Methylene Chloride)	5.00	5.28	0.2540	0.2726	7.3	NA	± 100 %	Average RF
o-Xylene	5.00	4.78	0.6850	0.6544	-4.5	NA	± 30 %	Average RF
Styrene	5.00	4.82	0.9847	0.9295	-5.6	NA	± 30 %	Average RF
Tetrachloroethene (PCE)	5.00	4.39	0.5071	0.4233	-16.5	NA	± 30 %	Average RF
Toluene	5.00	4.70	1.626	1.640	0.9	NA	± 30 %	Average RF

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/22/14

Continuing Calibration Verification Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

File ID: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D\

Calibration Date: 10/26/13
Calibration ID: RC1300118
Analysis Lot: 393678
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
trans-1,2-Dichloroethene	5.00	5.04	0.3091	0.3215	4.0	NA	± 100 %	Average RF
trans-1,3-Dichloropropene	5.00	4.93	0.2929	0.3002	2.5	NA	± 30 %	Average RF
Trichloroethene (TCE)	5.00	4.73	0.4185	0.4173	-0.3	NA	± 30 %	Average RF
Trichlorofluoromethane (CFC 11)	5.00	4.94	0.4429	0.5125	15.7	NA	± 30 %	Average RF
Vinyl Chloride	5.00	4.98	0.3926	0.4022	2.4	NA	± 30 %	Average RF
4-Bromofluorobenzene	5.00	5.36	0.3445	0.3405	-1.2	NA	± 30 %	Average RF

Evaluate Continuing Calibration Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D Vial: 30
Acq On : 22 May 2014 3:06 am Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Single Level Calibration

DL 5/22/14

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		1,4-Difluorobenzene	1.0000	1.0000	0.0	165	0.00
2		Chloromethane	0.3904	0.4407	-12.9	177	0.00
3		Vinyl Chloride	0.3926	0.4022	-2.4	160	0.00
4		Bromomethane	0.2282	0.2659	-16.5	195	0.00
5		Chloroethane	0.2185	0.2267	-3.8	166	0.00
6		Trichlorofluoromethane	0.4429	0.5125	-15.7	186	0.00
7		Acetone	0.0258	0.0236	8.5	159	0.00
8		1,1-Diclethene	0.2470	0.2604	-5.4	175	0.00
9		Methylene Chloride	0.2540	0.2726	-7.3	174	0.00
10		Carbon Disulfide	0.9291	1.0371	-11.6	184	0.00
11		trans-1,2-Dichloroethene	0.3091	0.3215	-4.0	170	0.00
12		1,1-Diclethane	0.5333	0.5994	-12.4	182	0.00
13		2-Butanone	0.0317	0.0380	-19.9	183	0.00
14		cis-1,2-Dichloroethene	0.3130	0.3372	-7.7	174	0.00
15		Bromochloromethane	0.1037	0.1169	-12.7	179	0.00
16		Chloroform	0.4791	0.5568	-16.2	187	0.00
17		1,2-Dichloroethane	0.1909	0.2446	-28.1	200	0.01
18	S	SURR2,BFB	0.3445	0.3405	1.2	160	0.00
19		d5-Chlorobenzene	1.0000	1.0000	0.0	170	0.00
20		1,1,1-Trichloroethane	0.5530	0.6072	-9.8	191	0.00
21		Carbontetrachloride	0.4602	0.5154	-12.0	188	0.00
22		Benzene	1.4751	1.4816	-0.4	172	0.00
23		1,2-Diclpropane	0.3306	0.3488	-5.5	176	0.00
24		Trichloroethene	0.4185	0.4173	0.3	174	0.00
25		Bromodichloromethane	0.3483	0.4080	-17.1	200#	0.00
26		cis-1,3-Dichloropropene	0.4229	0.4116	2.7	161	0.00
27		4-Methyl-2-Pentanone	0.0999	0.1245	-24.6	209#	0.00
28		trans-1,3-Dichloropropene	0.2929	0.3002	-2.5	167	0.00
29		1,1,2-Trichloroethane	0.1638	0.1694	-3.4	170	0.00
30		Toluene	1.6260	1.6404	-0.9	171	0.00
31		Dibromochloromethane	0.1979	0.2433	-22.9	209#	0.00
32		2-Hexanone	0.0682	0.0820	-20.2	195	0.00
33		1,2-Dibromoethane	0.1529	0.1653	-8.1	182	0.00
34		Tetrachloroethene	0.5071	0.4233	16.5	145	0.00
35		Chlorobenzene	0.9904	0.9623	2.8	165	0.00
36		Ethylbenzene	1.8527	1.8226	1.6	166	0.00
37		(m+p)Xylene	0.7262	0.6813	6.2	159	0.00
38		Styrene	0.9847	0.9295	5.6	158	0.00
39		o-Xylene	0.6850	0.6544	4.5	163	0.00
40		1,1,2,2-Tetrachloroethane	0.1649	0.1884	-14.3	192	0.00
41	I	d4-Dichlorobenzene	1.0000	1.0000	0.0	157	0.00
42		Bromoform	0.2236	0.2706	-21.0	185	0.00
43		1,3-Diclbenzene	1.6843	1.6362	2.9	151	0.00
44		1,4-Diclbenzene	1.6331	1.5657	4.1	149	0.00
45		1,2-Diclbenzene	1.3001	1.3172	-1.3	156	0.00
46		1,2-Dibromo-3-chloropropane	0.0365	0.0532	-45.8#	207#	0.00
47		1,2,4-Tcbenzene	0.7518	0.7564	-0.6	152	0.00
48		Hexachlorobt	0.5828	0.4547	22.0	120	0.00

- no criteria

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D Vial: 30
Acq On : 22 May 2014 3:06 am Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	1,2,3-Tclbenzene	0.4700	0.4848	-3.1	151	0.00

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

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D Vial: 30
Acq On : 22 May 2014 3:06 am Operator: D.Lipani
Sample : VSTD R1405715-02 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 3:24 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	386871	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	331163	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	147078	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	131746	5.36	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 107.20%				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	170501	5.01	ug/L		98
3) Vinyl Chloride	1.17	62	155598	4.98	ug/L		96
4) Bromomethane	1.34	94	102857	5.63	ug/L		91
5) Chloroethane	1.40	64	87695	5.52	ug/L		96
6) Trichlorofluoromethane	1.68	101	198281	4.94	ug/L		99
7) Acetone	1.76	43	45617	28.38	ug/L		91
8) 1,1-Diclethene	1.97	96	100760	5.01	ug/L		91
9) Methylene Chloride	2.07	84	105455	5.28	ug/L		94
10) Carbon Disulfide	2.18	76	401215	5.31	ug/L		100
11) trans-1,2-Dichloroethene	2.54	96	124383	5.04	ug/L		85
12) 1,1-Diclethane	2.75	63	231908	5.02	ug/L		96
13) 2-Butanone	3.21	43	73509	32.48	ug/L	#	96
14) cis-1,2-Dichloroethene	3.29	96	130445	5.15	ug/L		92
15) Bromochloromethane	3.46	128	45243	5.75	ug/L	#	76
16) Chloroform	3.53	83	215420	5.15	ug/L		93
17) 1,2-Dichloroethane	4.40	62	94613	5.42	ug/L		93
20) 1,1,1-Trichloroethane	4.51	97	201088	4.70	ug/L		95
21) Carbontetrachloride	5.08	117	170686	4.61	ug/L		95
22) Benzene	5.19	78	490637	4.77	ug/L		95
23) 1,2-Diclpropane	6.09	63	115512	5.03	ug/L		94
24) Trichloroethene	6.15	95	138194	4.73	ug/L		96
25) Bromodichloromethane	6.21	83	135129	4.96	ug/L		99
26) cis-1,3-Dichloropropene	7.05	75	136317	4.69	ug/L		99
27) 4-Methyl-2-Pentanone	7.25	43	206076	29.75	ug/L		93
28) trans-1,3-Dichloropropene	7.55	75	99411	4.93	ug/L		96
29) 1,1,2-Trichloroethane	7.66	97	56084	5.11	ug/L		95
30) Toluene	7.84	91	543252	4.70	ug/L		99
31) Dibromochloromethane	8.09	129	80561	5.01	ug/L		96
32) 2-Hexanone	8.15	43	135762	28.44	ug/L	#	95
33) 1,2-Dibromoethane	8.31	107	54749	5.16	ug/L		98
34) Tetrachloroethene	8.50	166	140193	4.39	ug/L		95
35) Chlorobenzene	9.11	112	318690	4.80	ug/L		97
36) Ethylbenzene	9.32	91	603568	4.65	ug/L		99
37) (m+p)Xylene	9.50	106	451256	9.39	ug/L		93
38) Styrene	9.77	104	307814	4.82	ug/L		96
39) o-Xylene	9.82	106	216718	4.78	ug/L		93
40) 1,1,2,2-Tetrachloroethane	9.81	83	62405	5.44	ug/L		96
42) Bromoform	9.50	173	39792	4.80	ug/L	#	93
43) 1,3-Diclbenzene	11.14	146	240644	4.60	ug/L		98
44) 1,4-Diclbenzene	11.20	146	230287	4.58	ug/L		97
45) 1,2-Diclbenzene	11.47	146	193732	4.98	ug/L		98
46) 1,2-Dibromo-3-chloropropan	11.83	75	7821	5.63	ug/L		83

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

DL 5/22/14

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D Vial: 30
Acq On : 22 May 2014 3:06 am Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 3:24 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

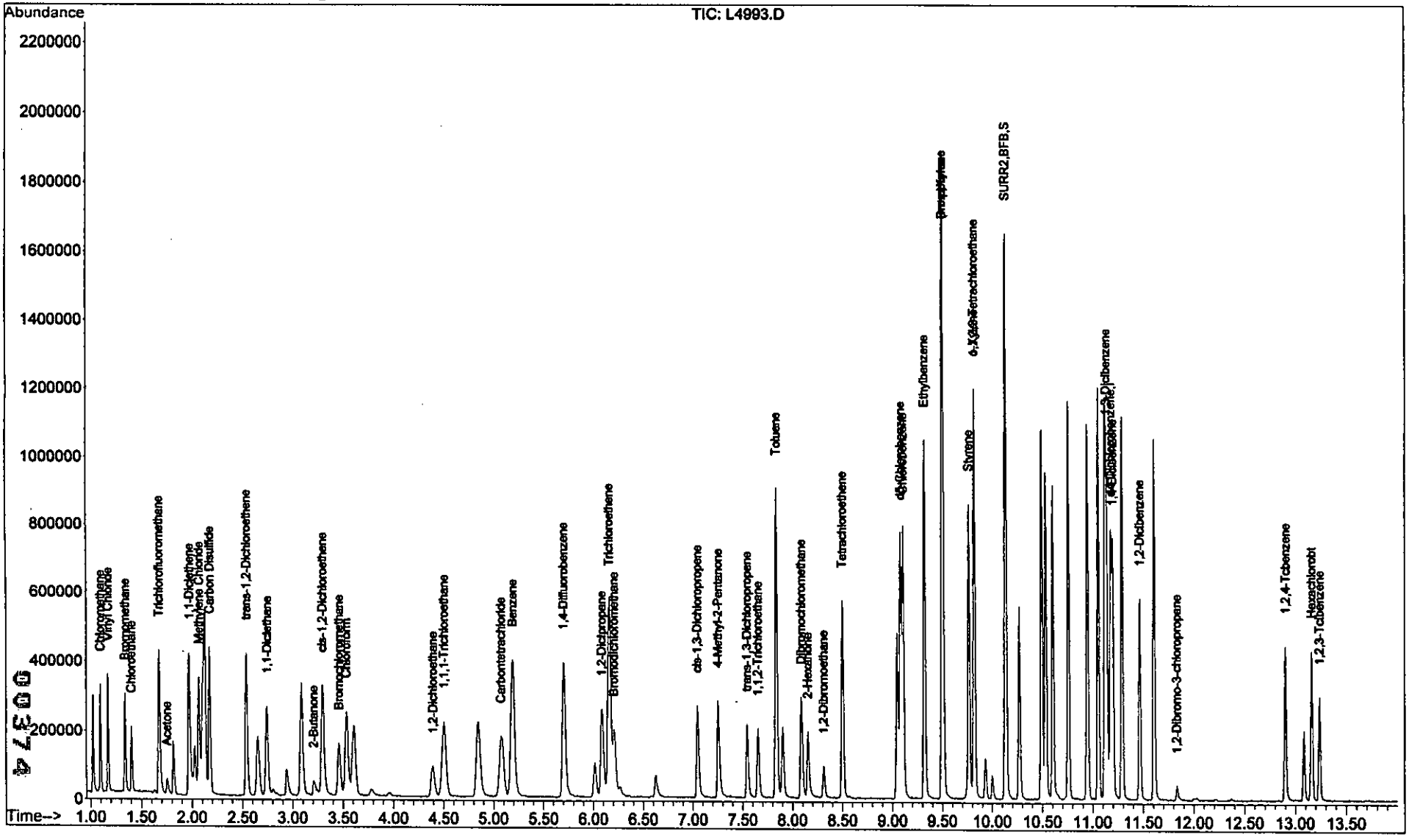
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	1,2,4-Tcbenzene	12.90	180	111254	5.14	ug/L	98
48)	Hexachlorobt	13.16	225	66879	4.45	ug/L	97
49)	1,2,3-Tclbenzene	13.24	180	71307	5.16	ug/L	97

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

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D Vial: 30
Acq On : 22 May 2014 3:06 am Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 3:24 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D



Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/22/14

Continuing Calibration Verification Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

File ID: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D\

Calibration Date: 10/26/13
Calibration ID: RC1300118
Analysis Lot: 393854
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	5.00	5.07	0.5530	0.6157	11.3	NA	± 30 %	Average RF
1,1,2,2-Tetrachloroethane	5.00	4.85	0.1649	0.1827	10.7	NA	± 30 %	Average RF
1,1,2-Trichloroethane	5.00	5.12	0.1638	0.1735	5.9	NA	± 30 %	Average RF
1,1-Dichloroethane (1,1-DCA)	5.00	5.27	0.5333	0.6319	18.5	NA	± 30 %	Average RF
1,1-Dichloroethene (1,1-DCE)	5.00	5.61	0.2470	0.2923	18.3	NA	± 30 %	Average RF
1,2,3-Trichlorobenzene	5.00	5.44	0.4700	0.5273	12.2	NA	± 30 %	Average RF
1,2,4-Trichlorobenzene	5.00	5.21	0.7518	0.7883	4.9	NA	± 100 %	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	5.00	4.38	0.03647	0.04660	27.8	NA	± 100 %	Average RF
1,2-Dibromoethane	5.00	5.07	0.1529	0.1675	9.5	NA	± 30 %	Average RF
1,2-Dichloroethane	5.00	5.22	0.1909	0.2554	33.8 *	NA	± 30 %	Average RF
1,2-Dichlorobenzene	5.00	5.12	1.300	1.350	3.8	NA	± 30 %	Average RF
1,2-Dichloropropane	5.00	5.05	0.3306	0.3521	6.5	NA	± 100 %	Average RF
1,3-Dichlorobenzene	5.00	5.43	1.684	1.777	5.5	NA	± 30 %	Average RF
1,4-Dichlorobenzene	5.00	5.44	1.633	1.704	4.3	NA	± 30 %	Average RF
2-Butanone (MEK)	25.0	24.6	0.03166	0.03734	18.0	NA	± 100 %	Average RF
2-Hexanone	25.0	22.6	0.06816	0.07424	8.9	NA	± 100 %	Average RF
4-Methyl-2-pentanone	25.0	22.2	0.09988	0.1103	10.4	NA	± 100 %	Average RF
Acetone	25.0	26.5	0.02582	0.02495	-3.3	NA	± 100 %	Average RF
Benzene	5.00	5.10	1.475	1.512	2.5	NA	± 30 %	Average RF
Bromochloromethane	5.00	5.41	0.1037	0.1265	22.0	NA	± 30 %	Average RF
Bromodichloromethane	5.00	4.95	0.3483	0.4040	16.0	NA	± 30 %	Average RF
Bromoform	5.00	5.26	0.2236	0.2847	27.3	NA	± 30 %	Average RF
Bromomethane	5.00	5.23	0.2282	0.2782	21.9	NA	± 30 %	Average RF
Carbon Disulfide	5.00	5.18	0.9291	1.074	15.6	NA	± 100 %	Average RF
Carbon Tetrachloride	5.00	5.33	0.4602	0.5495	19.4	NA	± 30 %	Average RF
Chlorobenzene	5.00	5.33	0.9904	1.025	3.5	NA	± 30 %	Average RF
Chloroethane	5.00	5.20	0.2185	0.2358	7.9	NA	± 100 %	Average RF
Chloroform	5.00	5.35	0.4791	0.5963	24.5	NA	± 30 %	Average RF
Chloromethane	5.00	5.19	0.3904	0.4575	17.2	NA	± 100 %	Average RF
cis-1,2-Dichloroethene	5.00	5.38	0.3130	0.3630	15.9	NA	± 100 %	Average RF
cis-1,3-Dichloropropene	5.00	5.17	0.4229	0.4258	0.7	NA	± 30 %	Average RF
Dibromochloromethane	5.00	5.10	0.1979	0.2481	25.3	NA	± 30 %	Average RF
Ethylbenzene	5.00	5.30	1.853	1.932	4.3	NA	± 30 %	Average RF
Hexachlorobutadiene	5.00	5.57	0.5828	0.5070	-13.0	NA	± 30 %	Average RF
m,p-Xylenes	10.0	10.7	0.7262	0.7283	0.3	NA	± 30 %	Average RF
Dichloromethane (Methylene Chloride)	5.00	5.48	0.2540	0.2989	17.7	NA	± 100 %	Average RF
o-Xylene	5.00	5.27	0.6850	0.6896	0.7	NA	± 30 %	Average RF
Styrene	5.00	5.15	0.9847	0.9574	-2.8	NA	± 30 %	Average RF
Tetrachloroethene (PCE)	5.00	5.82	0.5071	0.4925	-2.9	NA	± 30 %	Average RF
Toluene	5.00	5.13	1.626	1.684	3.6	NA	± 30 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523
Date Analyzed: 5/22/14

Continuing Calibration Verification Summary
Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1

File ID: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D\

Calibration Date: 10/26/13
Calibration ID: RC1300118
Analysis Lot: 393854
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
trans-1,2-Dichloroethene	5.00	5.63	0.3091	0.3620	17.1	NA	± 100 %	Average RF
trans-1,3-Dichloropropene	5.00	5.12	0.2929	0.3073	4.9	NA	± 30 %	Average RF
Trichloroethene (TCE)	5.00	5.20	0.4185	0.4338	3.6	NA	± 30 %	Average RF
Trichlorofluoromethane (CFC 11)	5.00	5.70	0.4429	0.5844	32.0 *	NA	± 30 %	Average RF
Vinyl Chloride	5.00	5.33	0.3926	0.4287	9.2	NA	± 30 %	Average RF
4-Bromofluorobenzene	5.00	5.23	0.3445	0.3561	3.4	NA	± 30 %	Average RF

Evaluate Continuing Calibration Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D Vial: 11
Acq On : 22 May 2014 6:59 pm Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Single Level Calibration

DL 5/22/14

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1		1,4-Difluorobenzene	1.0000	1.0000	0.0	148	0.00	
2		Chloromethane	0.3904	0.4575	-17.2	164	0.00	
3		Vinyl Chloride	0.3926	0.4287	-9.2	152	0.00	
4		Bromomethane	0.2282	0.2782	-21.9	182	0.00	
5		Chloroethane	0.2185	0.2358	-7.9	154	0.00	
6		Trichlorofluoromethane	0.4429	0.5844	-31.9#	189	0.00	X
7		Acetone	0.0258	0.0250	3.1	150	0.00	
8		1,1-Diclethene	0.2470	0.2923	-18.3	175	0.00	
9		Methylene Chloride	0.2540	0.2989	-17.7	170	0.00	
10		Carbon Disulfide	0.9291	1.0739	-15.6	170	0.00	
11		trans-1,2-Dichloroethene	0.3091	0.3620	-17.1	171	0.00	
12		1,1-Diclethane	0.5333	0.6319	-18.5	171	0.00	
13		2-Butanone	0.0317	0.0373	-17.7	160	0.00	
14		cis-1,2-Dichloroethene	0.3130	0.3630	-16.0	167	0.00	
15		Bromochloromethane	0.1037	0.1265	-22.0	173	0.00	
16		Chloroform	0.4791	0.5963	-24.5	179	0.00	
17		1,2-Dichloroethane	0.1909	0.2554	-33.8#	186	0.00	X
18	S	SURR2,BFB	0.3445	0.3561	-3.4	149	0.00	
19		d5-Chlorobenzene	1.0000	1.0000	0.0	160	0.00	
20		1,1,1-Trichloroethane	0.5530	0.6157	-11.3	183	0.00	
21		Carbontetrachloride	0.4602	0.5495	-19.4	189	0.00	
22		Benzene	1.4751	1.5123	-2.5	165	0.00	
23		1,2-Diclpropane	0.3306	0.3521	-6.5	167	0.00	
24		Trichloroethene	0.4185	0.4338	-3.7	170	0.00	
25		Bromodichloromethane	0.3483	0.4040	-16.0	187	0.00	
26		cis-1,3-Dichloropropene	0.4229	0.4258	-0.7	157	0.00	
27		4-Methyl-2-Pentanone	0.0999	0.1103	-10.4	174	0.00	
28		trans-1,3-Dichloropropene	0.2929	0.3073	-4.9	161	0.00	
29		1,1,2-Trichloroethane	0.1638	0.1735	-5.9	164	0.00	
30		Toluene	1.6260	1.6838	-3.6	166	0.00	
31		Dibromochloromethane	0.1979	0.2481	-25.4	201#	0.00	
32		2-Hexanone	0.0682	0.0742	-8.8	167	0.00	
33		1,2-Dibromoethane	0.1529	0.1675	-9.5	174	0.00	
34		Tetrachloroethene	0.5071	0.4925	2.9	159	0.00	
35		Chlorobenzene	0.9904	1.0251	-3.5	166	0.00	
36		Ethylbenzene	1.8527	1.9319	-4.3	166	0.00	
37		(m+p)Xylene	0.7262	0.7283	-0.3	160	0.00	
38		Styrene	0.9847	0.9574	2.8	153	0.00	
39		o-Xylene	0.6850	0.6896	-0.7	162	0.00	
40		1,1,2,2-Tetrachloroethane	0.1649	0.1827	-10.8	176	0.00	
41	I	d4-Dichlorobenzene	1.0000	1.0000	0.0	151	0.00	
42		Bromoform	0.2236	0.2847	-27.3	188	0.00	
43		1,3-Diclbenzene	1.6843	1.7767	-5.5	158	0.00	
44		1,4-Diclbenzene	1.6331	1.7036	-4.3	156	0.00	
45		1,2-Diclbenzene	1.3001	1.3500	-3.8	154	0.00	
46		1,2-Dibromo-3-chloropropane	0.0365	0.0466	-27.7	175	0.00	
47		1,2,4-Tcbenzene	0.7518	0.7883	-4.9	152	0.00	
48		Hexachlorobt	0.5828	0.5070	13.0	129	0.00	

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D Vial: 11
Acq On : 22 May 2014 6:59 pm Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	1,2,3-Tclbenzene	0.4700	0.5273	-12.2	158	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L5020.D OLC1026.M Thu May 22 19:30:39 2014

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D Vial: 11
Acq On : 22 May 2014 6:59 pm Operator: D.Lipani
Sample : VSTD RQ1405787-02 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 19:17 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	345277	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	312370	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	141660	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	122948	5.23	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 104.60%				
Target Compounds							Qvalue
2) Chloromethane	1.09	50	157954	5.19	ug/L		96
3) Vinyl Chloride	1.17	62	148024	5.33	ug/L		100
4) Bromomethane	1.34	94	96059	5.23	ug/L		90
5) Chloroethane	1.40	64	81411	5.20	ug/L		100
6) Trichlorofluoromethane	1.68	101	201795	5.70	ug/L		97
7) Acetone	1.75	43	43080	26.45	ug/L		84
8) 1,1-Diclethene	1.97	96	100912	5.61	ug/L		93
9) Methylene Chloride	2.07	84	103202	5.48	ug/L		95
10) Carbon Disulfide	2.18	76	370780	5.18	ug/L		98
11) trans-1,2-Dichloroethene	2.54	96	124992	5.63	ug/L		96
12) 1,1-Diclethane	2.74	63	218191	5.27	ug/L		95
13) 2-Butanone	3.21	43	64471	24.57	ug/L		95
14) cis-1,2-Dichloroethene	3.30	96	125322	5.38	ug/L		90
15) Bromochloromethane	3.46	128	43690	5.41	ug/L		82
16) Chloroform	3.53	83	205892	5.35	ug/L		98
17) 1,2-Dichloroethane	4.39	62	88187	5.22	ug/L		94
20) 1,1,1-Trichloroethane	4.50	97	192330	5.07	ug/L		96
21) Carbontetrachloride	5.08	117	171640	5.33	ug/L		99
22) Benzene	5.19	78	472391	5.10	ug/L		96
23) 1,2-Diclpropane	6.09	63	109998	5.05	ug/L		95
24) Trichloroethene	6.16	95	135498	5.20	ug/L		97
25) Bromodichloromethane	6.21	83	126199	4.95	ug/L		98
26) cis-1,3-Dichloropropene	7.05	75	132997	5.17	ug/L		99
27) 4-Methyl-2-Pentanone	7.25	43	172205	22.15	ug/L		94
28) trans-1,3-Dichloropropene	7.55	75	95996	5.12	ug/L		97
29) 1,1,2-Trichloroethane	7.66	97	54196	5.12	ug/L		98
30) Toluene	7.84	91	525974	5.13	ug/L		98
31) Dibromochloromethane	8.09	129	77484	5.10	ug/L		98
32) 2-Hexanone	8.15	43	115953	22.64	ug/L		95
33) 1,2-Dibromoethane	8.31	107	52315	5.07	ug/L	#	99
34) Tetrachloroethene	8.50	166	153843	5.82	ug/L		98
35) Chlorobenzene	9.11	112	320223	5.33	ug/L		99
36) Ethylbenzene	9.32	91	603454	5.30	ug/L		100
37) (m+p)Xylene	9.50	106	454978	10.69	ug/L		95
38) Styrene	9.77	104	299053	5.15	ug/L		96
39) o-Xylene	9.82	106	215405	5.27	ug/L		95
40) 1,1,2,2-Tetrachloroethane	9.81	83	57060	4.85	ug/L		98
42) Bromoform	9.50	173	40325	5.26	ug/L	#	96
43) 1,3-Diclbenzene	11.14	146	251692	5.43	ug/L		98
44) 1,4-Diclbenzene	11.20	146	241336	5.44	ug/L		98
45) 1,2-Diclbenzene	11.47	146	191246	5.12	ug/L		97
46) 1,2-Dibromo-3-chloropropan	11.83	75	6602	4.38	ug/L	#	89

(#) = qualifier out of range (m) = manual integration
L5020.D OLC1026.M Thu May 22 19:17:57 2014

QL 5/22/14

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D Vial: 11
Acq On : 22 May 2014 6:59 pm Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 19:17 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

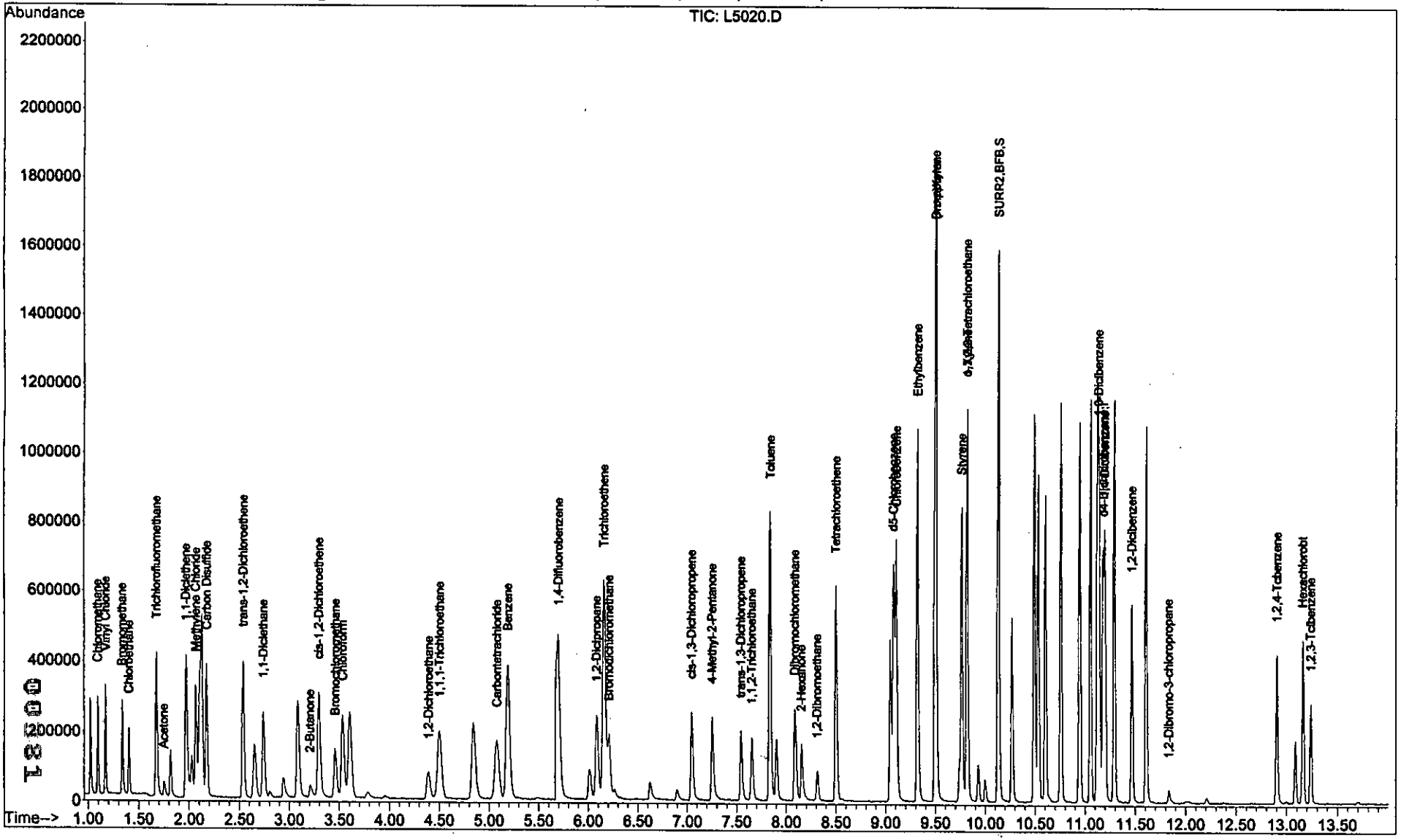
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	1,2,4-Tcbenzene	12.90	180	111666	5.21	ug/L	98
48)	Hexachlorobt	13.16	225	71821	5.57	ug/L	98
49)	1,2,3-Tclbenzene	13.24	180	74702	5.44	ug/L	99

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

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D Vial: 11
Acq On : 22 May 2014 6:59 pm Operator: D.Lipani
Sample : VSTD Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 19:17 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D



ALS Environmental

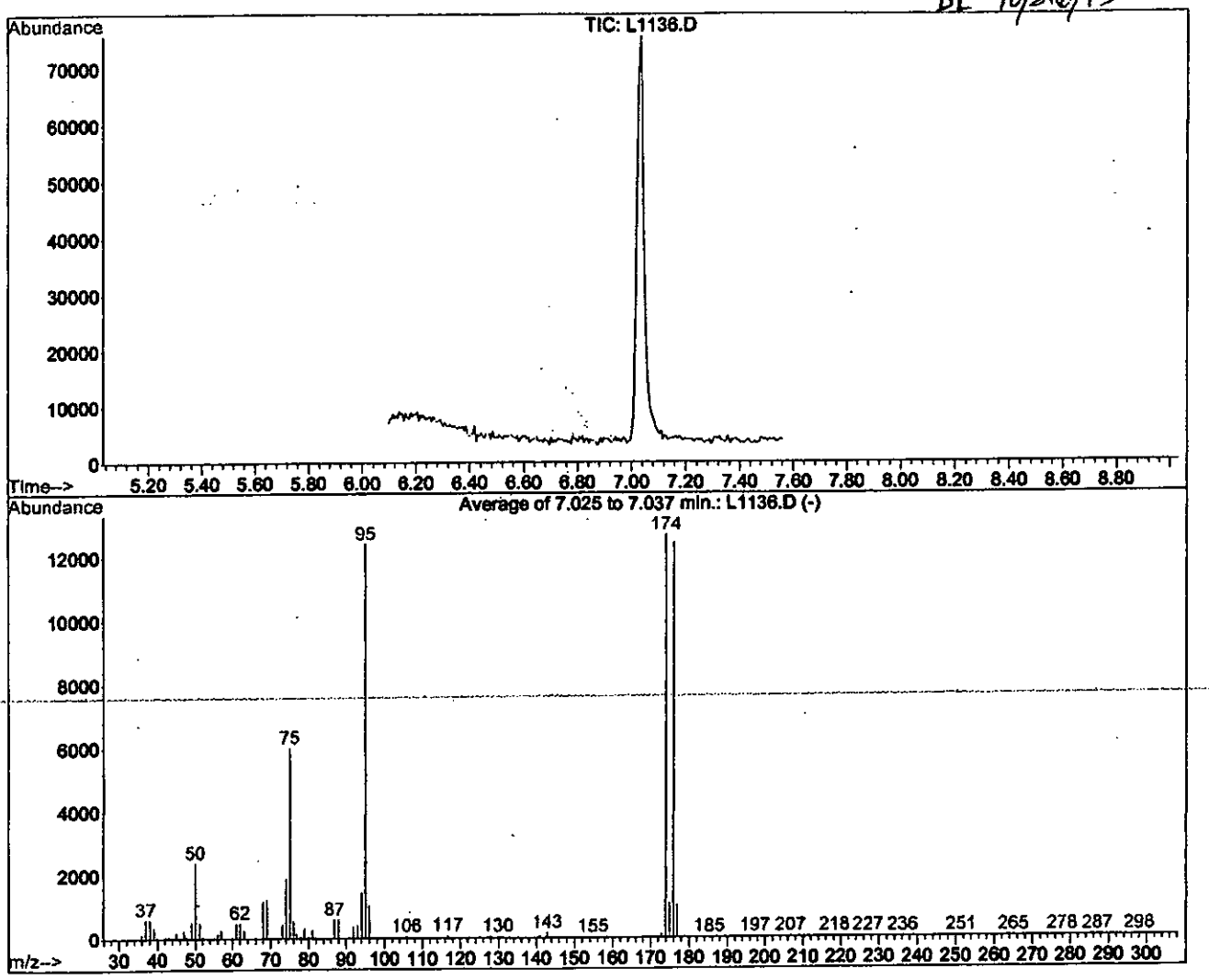
VOLATILE ORGANICS
RAW QC DATA

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

BFB

Data File : I:\ACQUDATA\MSVOA6\DATA\102613\L1136.D Vial: 5
Acq On : 26 Oct 2013 11:34 am Operator: D.LIPANI
Sample : TUNE CHECK Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS

DL 10/26/13



AutoFind: Scans 154, 155, 156; Background Corrected with Scan 148

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.2	2391	PASS
75	95	30	66	48.4	6011	PASS
95	95	100	100	100.0	12424	PASS
96	95	5	9	8.3	1030	PASS
173	174	0.00	2	1.0	133	PASS
174	95	50	120	102.3	12705	PASS
175	174	4	9	8.5	1076	PASS
176	174	93	101	97.9	12440	PASS
177	176	5	9	8.2	1025	PASS

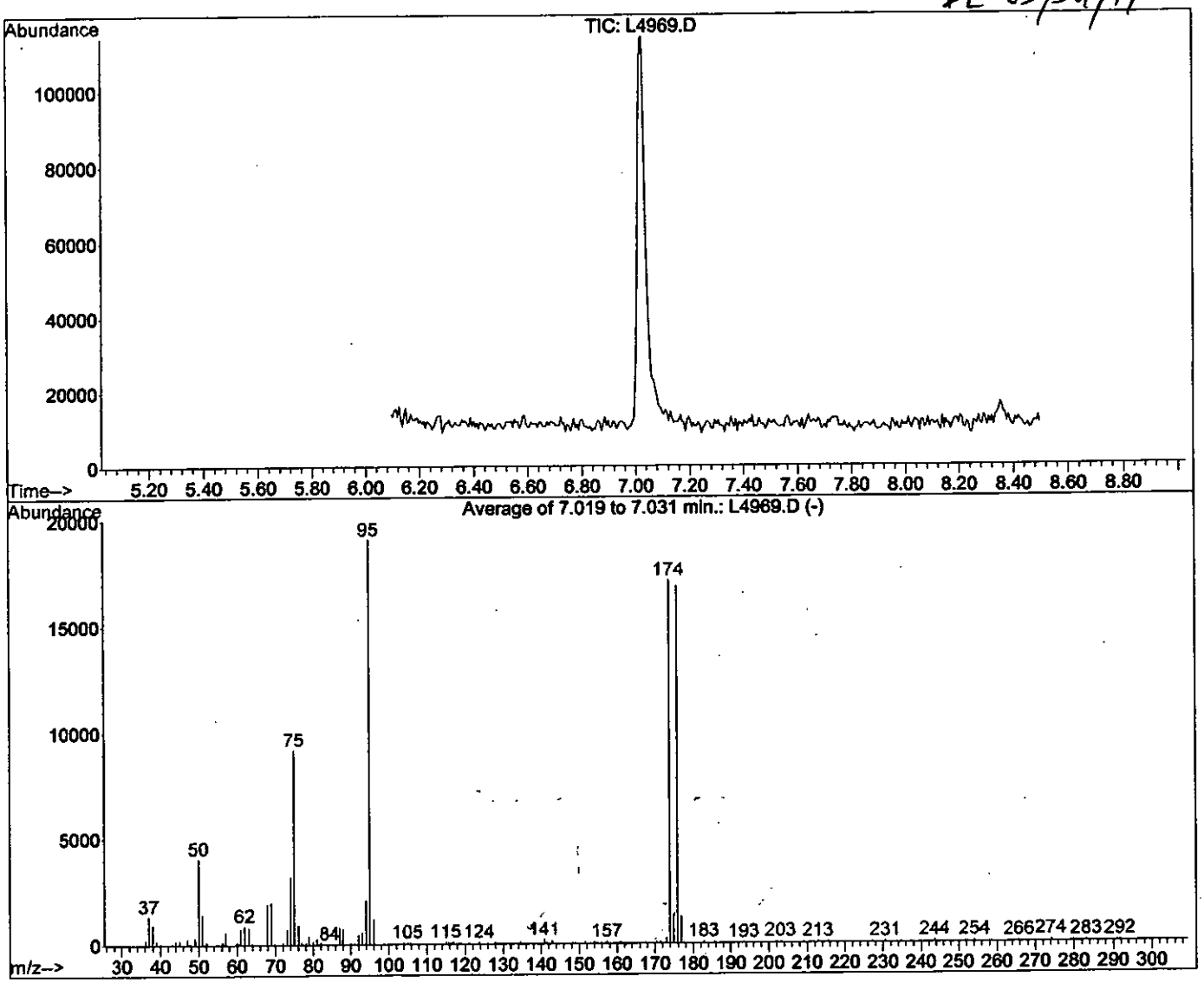
L1136.D OLC1026.M Sat Oct 26 11:42:03 2013

BFB

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4969.D
Acq On : 21 May 2014 12:58 pm
Sample : TUNE CHECK RQ1405678-01
Misc : OLC 2.1
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS

Vial: 7
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

DL 05/21/14



Spectrum Information: Average of 7.019 to 7.031 min.

Sub. Scan = 148

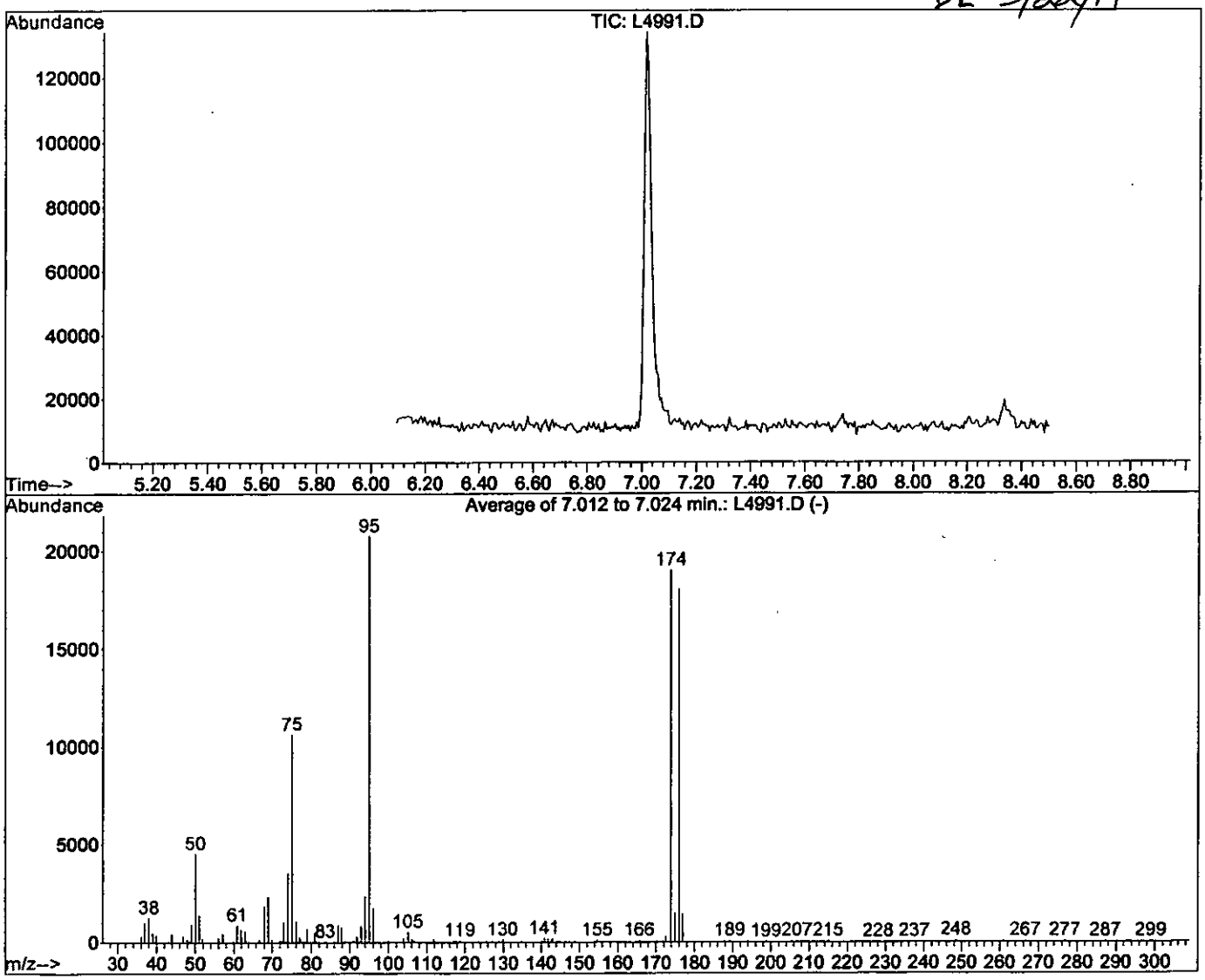
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.3	4059	PASS
75	95	30	66	48.0	9156	PASS
95	95	100	100	100.0	19088	PASS
96	95	5	9	6.2	1190	PASS
173	174	0.00	2	1.5	258	PASS
174	95	50	120	89.7	17119	PASS
175	174	4	9	8.0	1365	PASS
176	174	93	101	98.4	16839	PASS
177	176	5	9	7.6	1286	PASS

L4969.D OLC1026.M Thu May 22 18:29:06 2014

BFB

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4991.D Vial: 29
Acq On : 22 May 2014 1:55 am Operator: D.Lipani
Sample : TUNE CHECK RQ1405715-01 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS

DL 5/22/14



AutoFind: Scans 152, 153, 154; Background Corrected with Scan 145

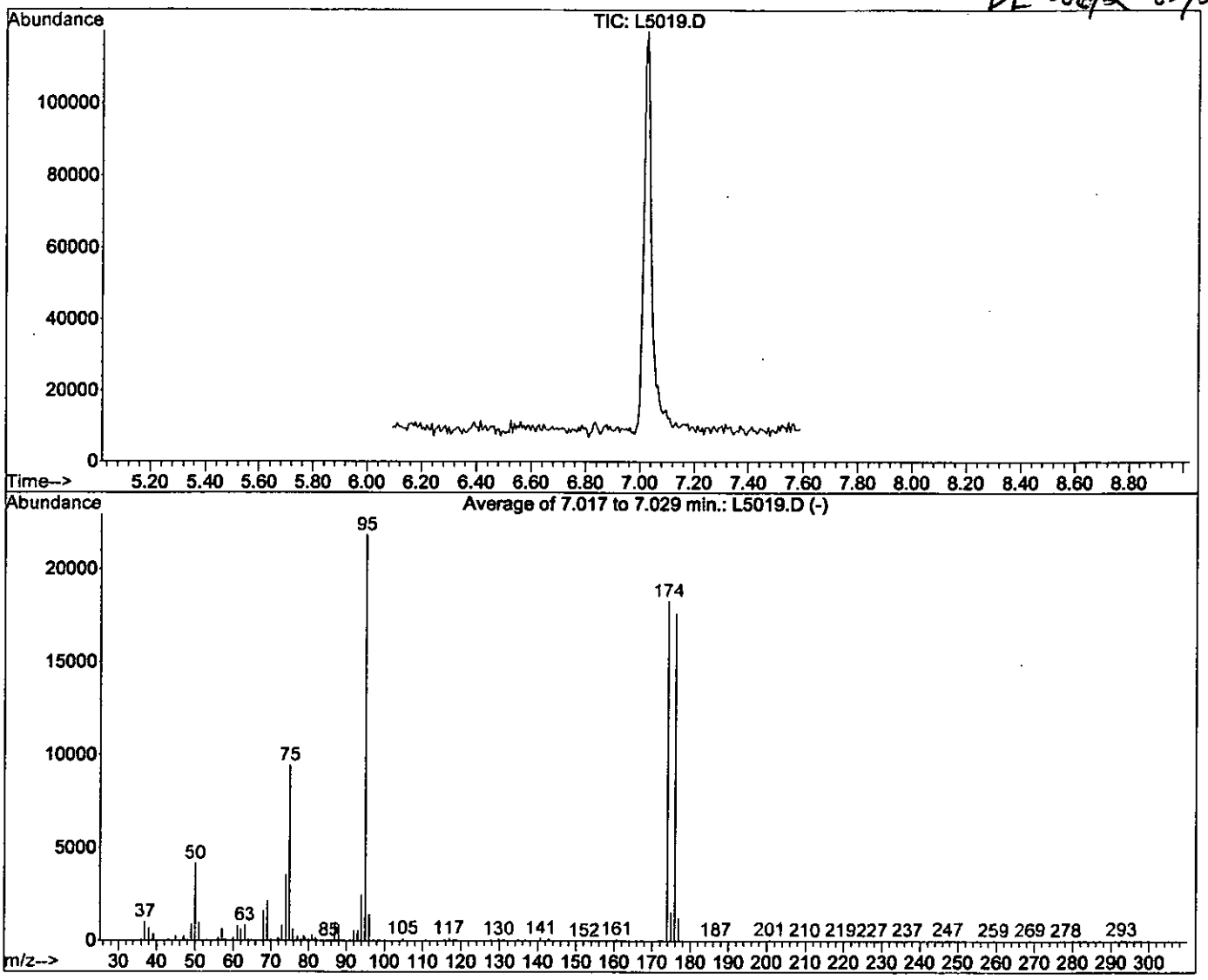
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.8	4539	PASS
75	95	30	66	51.2	10639	PASS
95	95	100	100	100.0	20795	PASS
96	95	5	9	8.5	1772	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.5	19027	PASS
175	174	4	9	7.8	1487	PASS
176	174	93	101	94.8	18030	PASS
177	176	5	9	8.0	1440	PASS

L4991.D OLC1026.M Thu May 22 07:46:46 2014

BFB

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5019.D Vial: 10
Acq On : 22 May 2014 6:21 pm Operator: D.Lipani
Sample : TUNE CHECK RQ1405787-01 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS

DL ~~06/2~~ 05/22/14



AutoFind: Scans 153, 154, 155; Background Corrected with Scan 147

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.1	4179	PASS
75	95	30	66	43.2	9448	PASS
95	95	100	100	100.0	21877	PASS
96	95	5	9	6.5	1412	PASS
173	174	0.00	2	0.3	46	PASS
174	95	50	120	83.7	18313	PASS
175	174	4	9	8.5	1548	PASS
176	174	93	101	96.2	17619	PASS
177	176	5	9	6.8	1203	PASS

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/21/14 15:26
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405678-04	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**0.12**	J	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	**0.10**	J	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/21/14 15:26
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405678-04	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	5/21/14 15:26	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/21/14 1526

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405678-04	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D Vial: 11
Acq On : 21 May 2014 3:26 pm Operator: D.Lipani
Sample : VBLK RQ1405678-04 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 15:44 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	375096	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	313601	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	131877	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	115227	4.84	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.80%				
Target Compounds							Qvalue
~~7) Acetone~~	~~1.75~~	~~43~~	~~158~~	~~0.10~~	~~ug/L~~		~~74~~
48) Hexachlorobt	13.16	225	1354	0.10	ug/L	#	68 J
49) 1,2,3-Tclbenzene	13.24	180	1499	0.12	ug/L		92 J

DL
5/28/14

(#) = qualifier out of range (m) = manual integration
L4973.D OLC1026.M Wed May 21 15:44:26 2014

00390

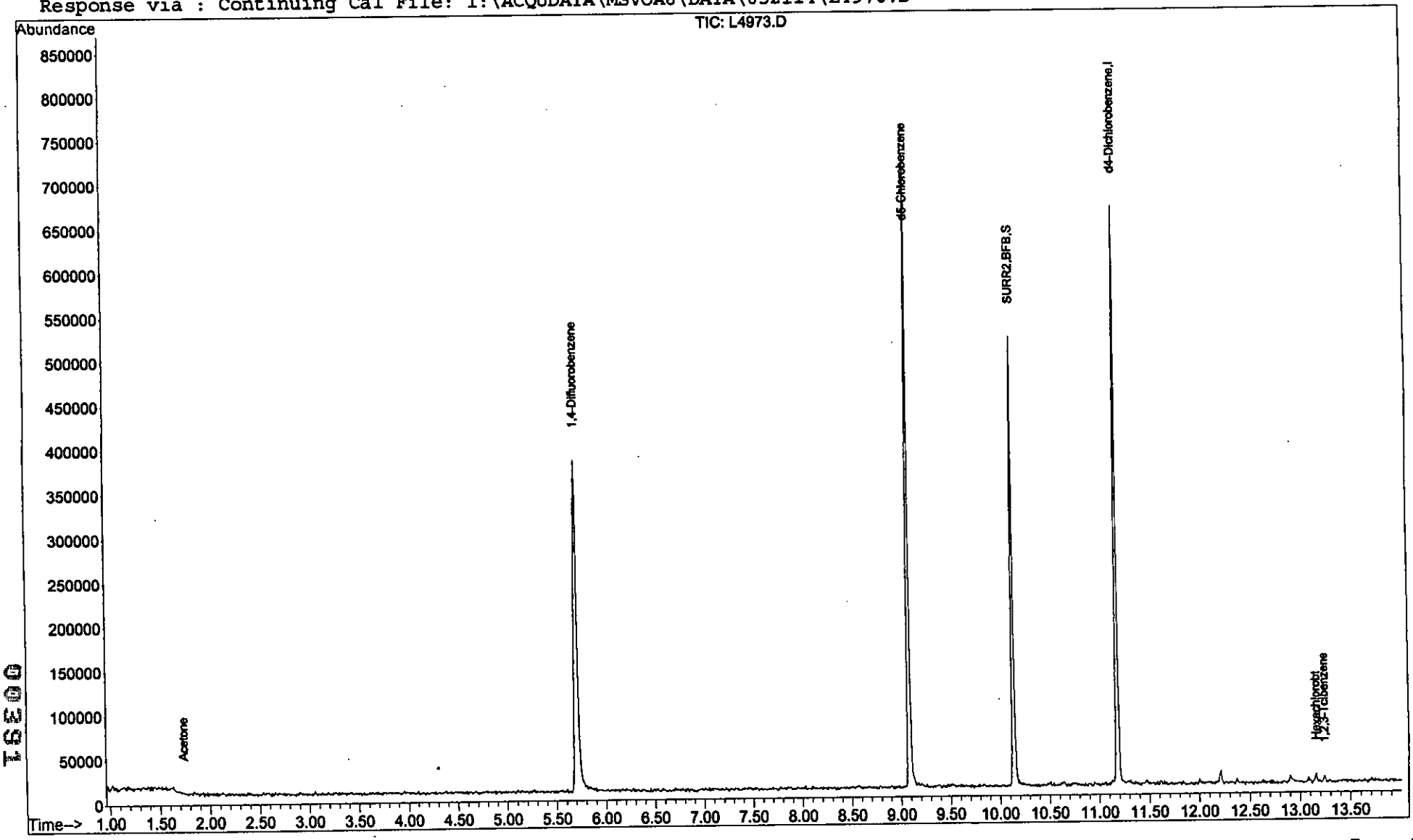
Quantitation Report

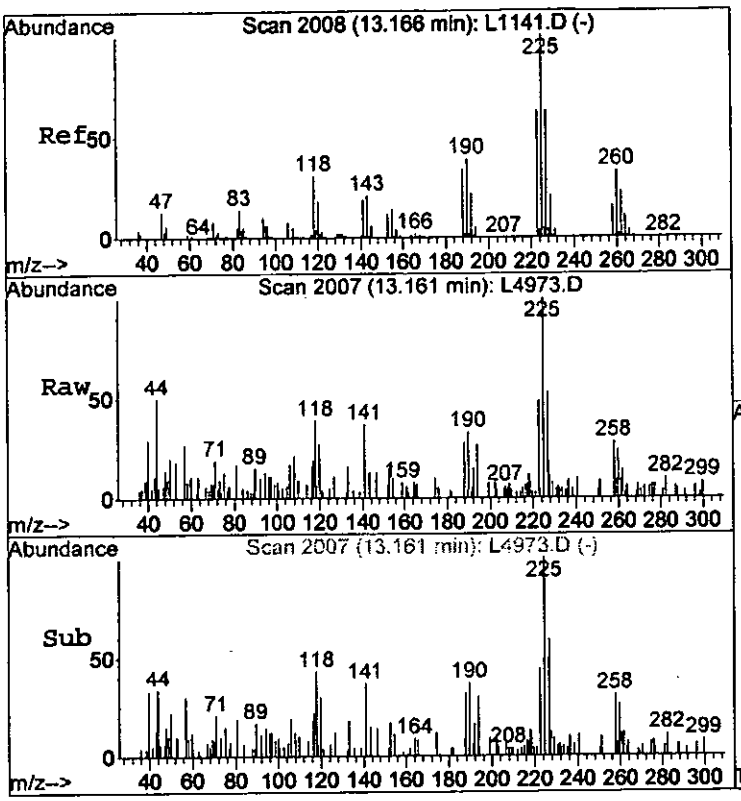
Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D
Acq On : 21 May 2014 3:26 pm
Sample : VBLK
Misc : OLC 2.1
MS Integration Params: CPD4.P
Quant Time: May 21 15:44 2014

Vial: 11
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D

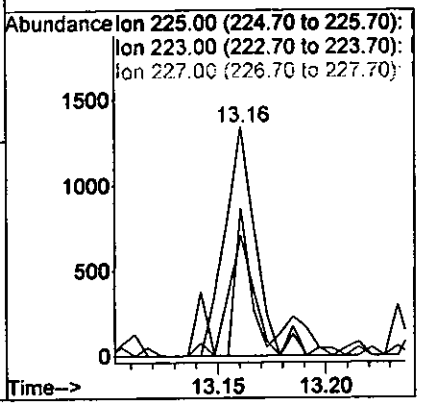




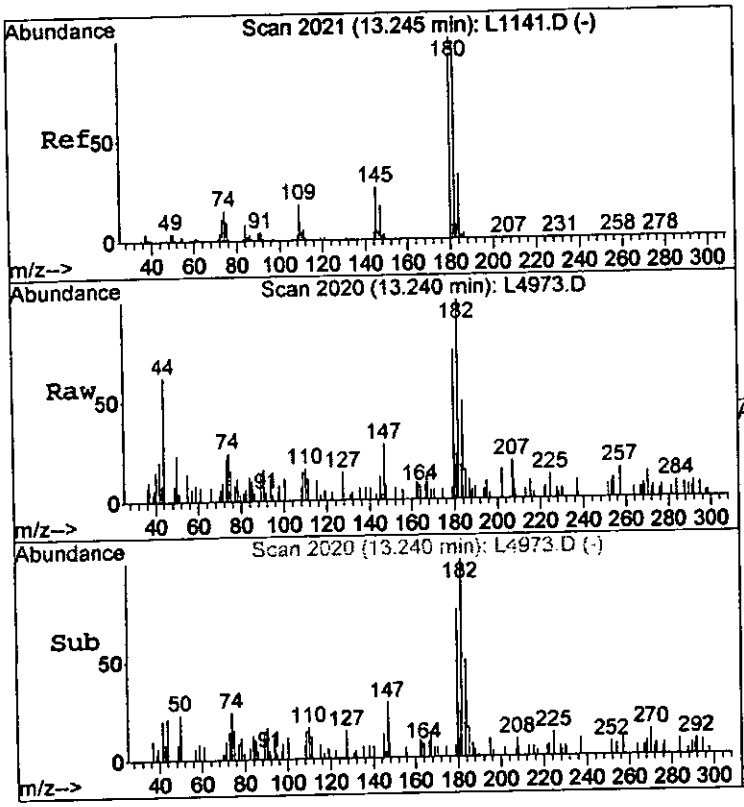
#48
Hexachlorobt
Concen: 0.10 ug/L
RT: 13.16 min Scan# 2007
Delta R.T. 0.00 min
Lab File: L4973.D
Acq: 21 May 2014 3:26 pm

Tgt Ion:225 Resp: 1354

Ion	Ratio	Lower	Upper
225	100		
223	42.8	49.3	73.9#
227	31.7	50.2	75.4#



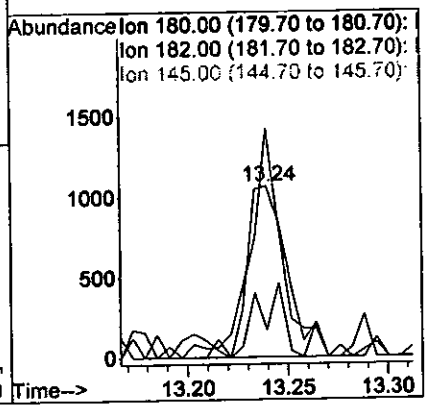
00392



#49
1,2,3-Tclbenzene
Concen: 0.12 ug/L
RT: 13.24 min Scan# 2020
Delta R.T. 0.00 min
Lab File: L4973.D
Acq: 21 May 2014 3:26 pm

Tgt Ion:180 Resp: 1499

Ion	Ratio	Lower	Upper
180	100		
182	105.7	77.0	115.6
145	27.7	21.8	32.8



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D
Acq On : 21 May 2014 3:26 pm
Sample : VBLK
Misc : OLC 2.1
MS Integration Params: LSCINT.P

Vial: 11
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Signal : TIC

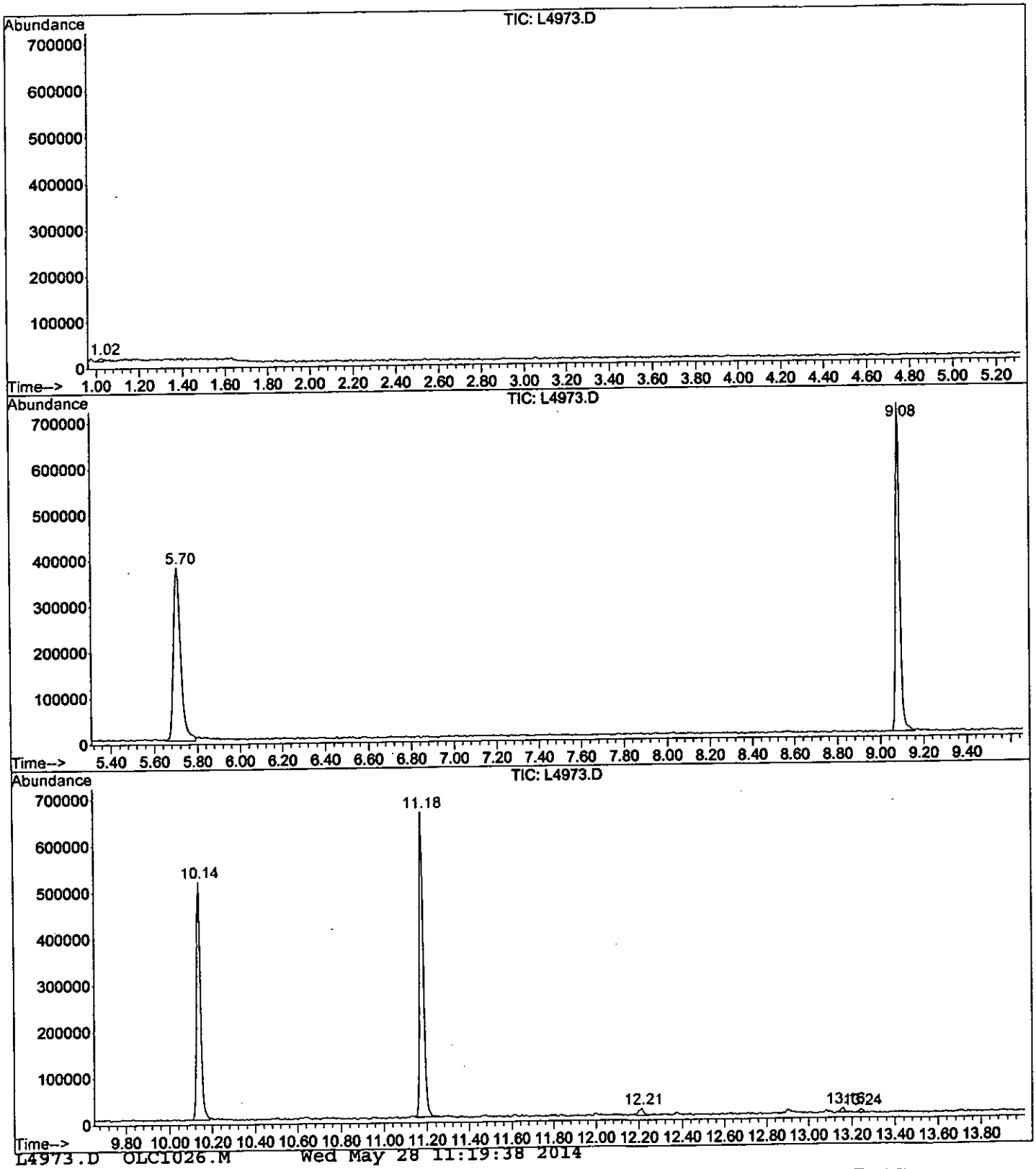
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.022	6	11	13	rBV5	7638	10783	1.13%	0.319%
2	5.705	772	781	795	rBV	377845	879895	92.47%	25.991%
3	9.080	1331	1336	1349	rBV	714812	951562	100.00%	28.108%
4	10.138	1504	1510	1518	rBV	511613	660444	69.41%	19.508%
5	11.178	1676	1681	1695	rVB	656040	837033	87.96%	24.725%
6	12.212	1847	1851	1856	rVB3	15865	23276	2.45%	0.688%
7	13.161	2003	2007	2011	rVB7	10054	11820	1.24%	0.349%
8	13.240	2015	2020	2024	rVB7	7900	10610	1.12%	0.313%

Sum of corrected areas: 3385423

L4973.D OLC1026.M Wed May 28 11:19:34 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D
Operator : D.Lipani
Acquired : 21 May 2014 3:26 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: VBLK
Misc Info : OLC 2.1
Vial Number: 11
Quant File :OLC1026.RES (RTE Integrator)



L4973.D OLC1026.M Wed May 28 11:19:38 2014

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 21 May 2014 3:26 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4973.D
Name: VBLK
Misc: OLC 2.1
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4973.D OLC1026.M Wed May 28 11:19:38 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: NA
Date Received: NA
Date Analyzed: 5/22/14 05:29

Sample Name: Method Blank
Lab Code: RQ1405715-04

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 05:29
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405715-04	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	80-120	5/22/14 05:29	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 0529

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405715-04	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D Vial: 34
Acq On : 22 May 2014 5:29 am Operator: D.Lipani
Sample : VBLK RQ1405715-04 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:50 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	401994	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	333946	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	145848	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	128318	4.69	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.80%			
Target Compounds						Qvalue
~~7) Acetone~~	~~1.77~~	~~43~~	~~544~~	~~0.29~~	~~ug/L~~	~~61~~

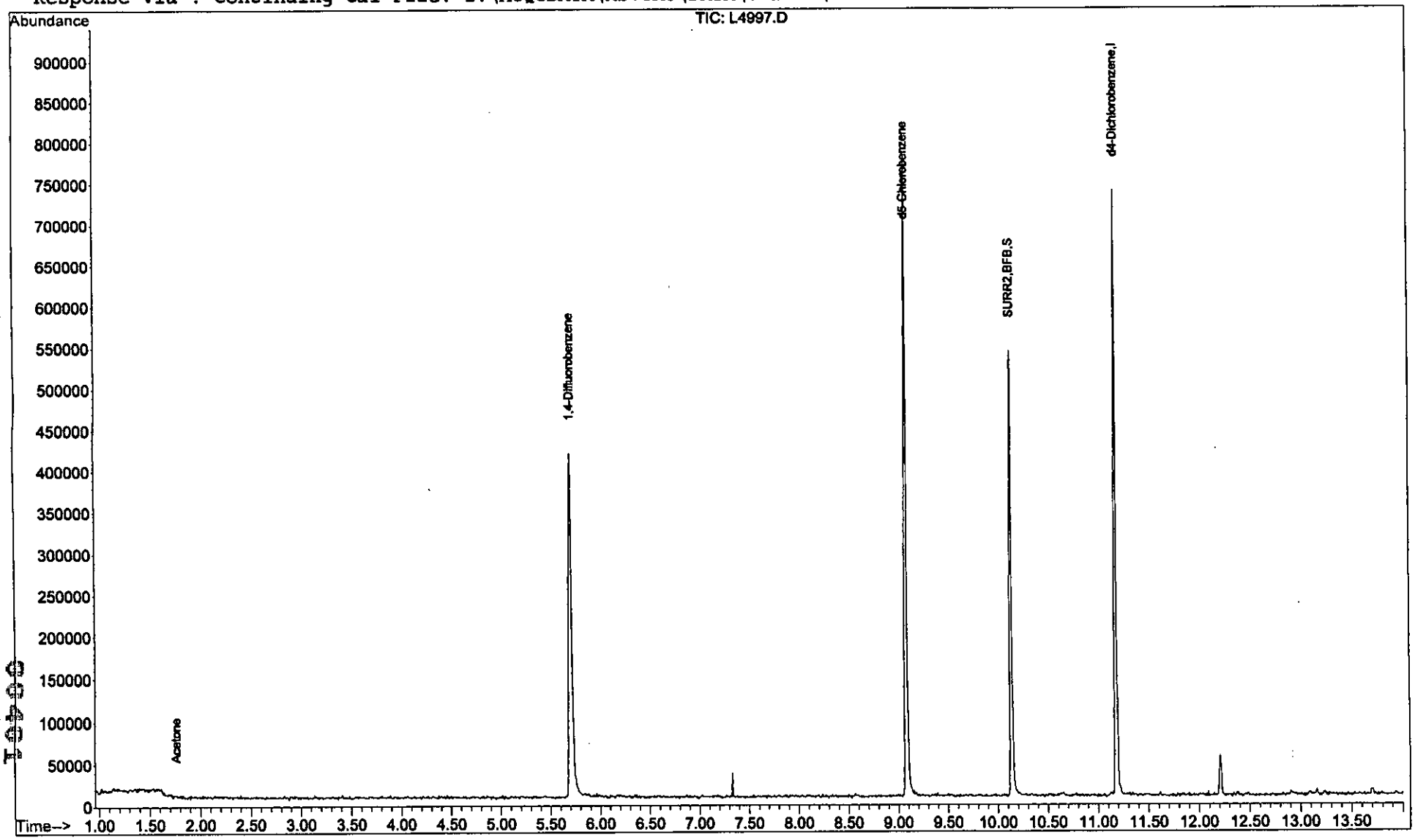
DL 5/22/14

(#) = qualifier out of range (m) = manual integration
L4997.D OLC1026.M Thu May 22 07:50:10 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D Vial: 34
Acq On : 22 May 2014 5:29 am Operator: D.Lipani
Sample : VBLK Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:50 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D
Acq On : 22 May 2014 5:29 am
Sample : VBLK
Misc : OLC 2.1
MS Integration Params: LSCINT.P

Vial: 34
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Signal : TIC

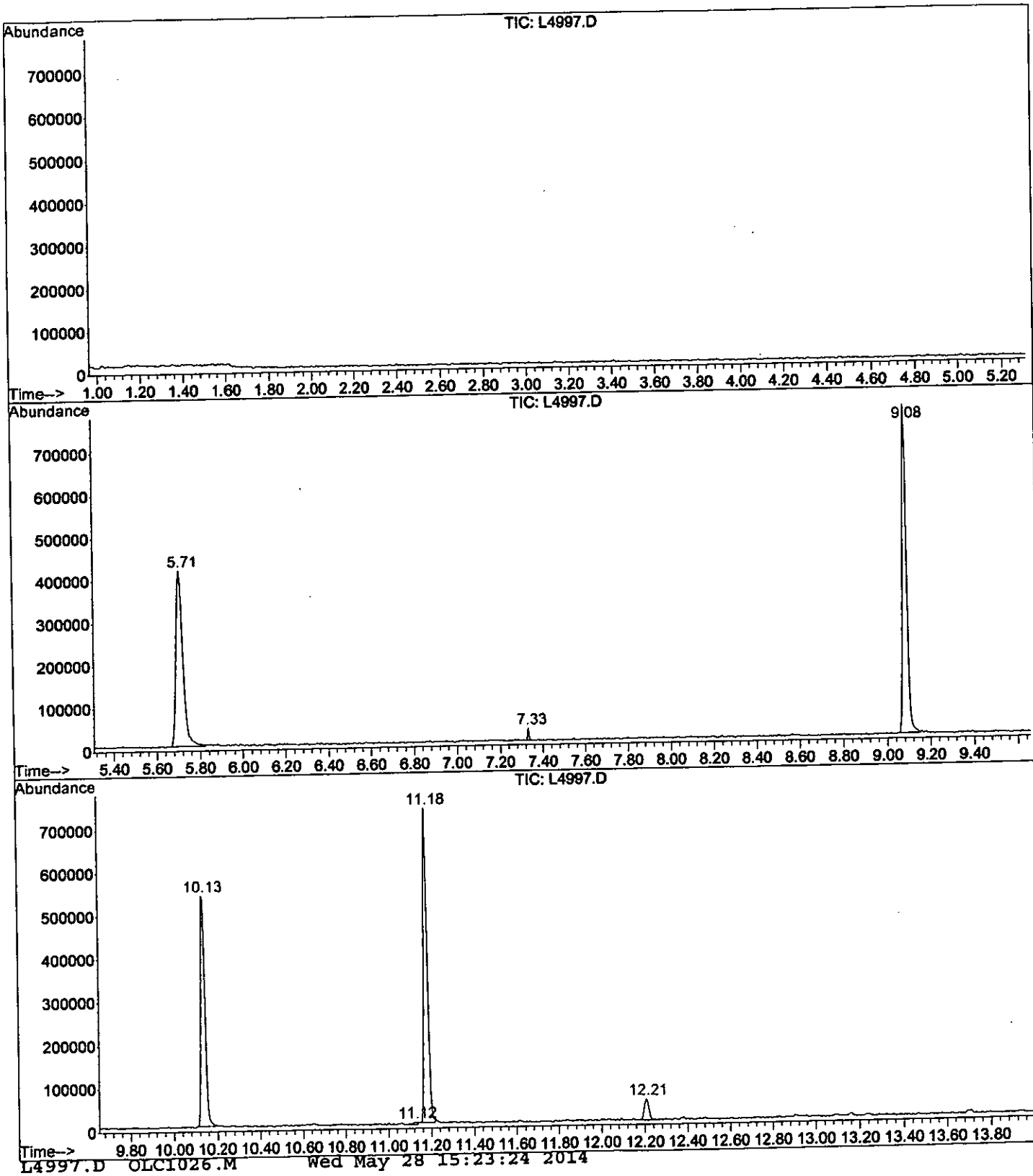
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.706	774	781	800	rBV	412456	922027	90.94%	25.347%
2	7.330	1046	1048	1050	rBV	28441	12205	1.20%	0.336%
3	9.082	1331	1336	1347	rBV	772114	1013898	100.00%	27.872%
4	10.134	1505	1509	1521	rVB	534595	708006	69.83%	19.463%
5	11.125	1664	1672	1674	rBV6	5911	10263	1.01%	0.282%
6	11.180	1676	1681	1687	rBV	729431	897796	88.55%	24.681%
7	12.207	1845	1850	1858	rVB2	49188	73434	7.24%	2.019%

Sum of corrected areas: 3637629

L4997.D OLC1026.M Wed May 28 15:23:18 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D
Operator : D.Lipani
Acquired : 22 May 2014 5:29 am using AcqMethod OLC1026
Instrument : MS#6
Sample Name: VBLK
Misc Info : OLC 2.1
Vial Number: 34
Quant File :OLC1026.RES (RTE Integrator)



L4997.D OLC1026.M Wed May 28 15:23:24 2014

00403

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 5:29 am
Data File: I:\ACQUDATA\MSVOA6\DATA\052114\L4997.D
Name: VBLK
Misc: OLC 2.1
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L4997.D OLC1026.M Wed May 28 15:23:24 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 22:11
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405787-05	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	1.0	U	1.0	0.10	
74-97-5	Bromochloromethane	1.0	U	1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.10	
75-25-2	Bromoform	1.0	U	1.0	0.15	
74-83-9	Bromomethane	1.0	U	1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.10	
108-90-7	Chlorobenzene	1.0	U	1.0	0.10	
75-00-3	Chloroethane	1.0	U	1.0	0.10	
67-66-3	Chloroform	1.0	U	1.0	0.10	
74-87-3	Chloromethane	1.0	U	1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.10	
100-41-4	Ethylbenzene	1.0	U	1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 22:11
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405787-05	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	80-120	5/22/14 22:11	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 2211

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405787-05	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D Vial: 16
Acq On : 22 May 2014 10:11 pm Operator: D.Lipani
Sample : VBLK RQ1405787-05 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 22:30 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	374016	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	317878	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	143278	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	120940	4.54	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 90.80%			
Target Compounds						Qvalue

DL 05/28/14

(#) = qualifier out of range (m) = manual integration
L5025.D OLC1026.M Thu May 22 22:30:05 2014

00408

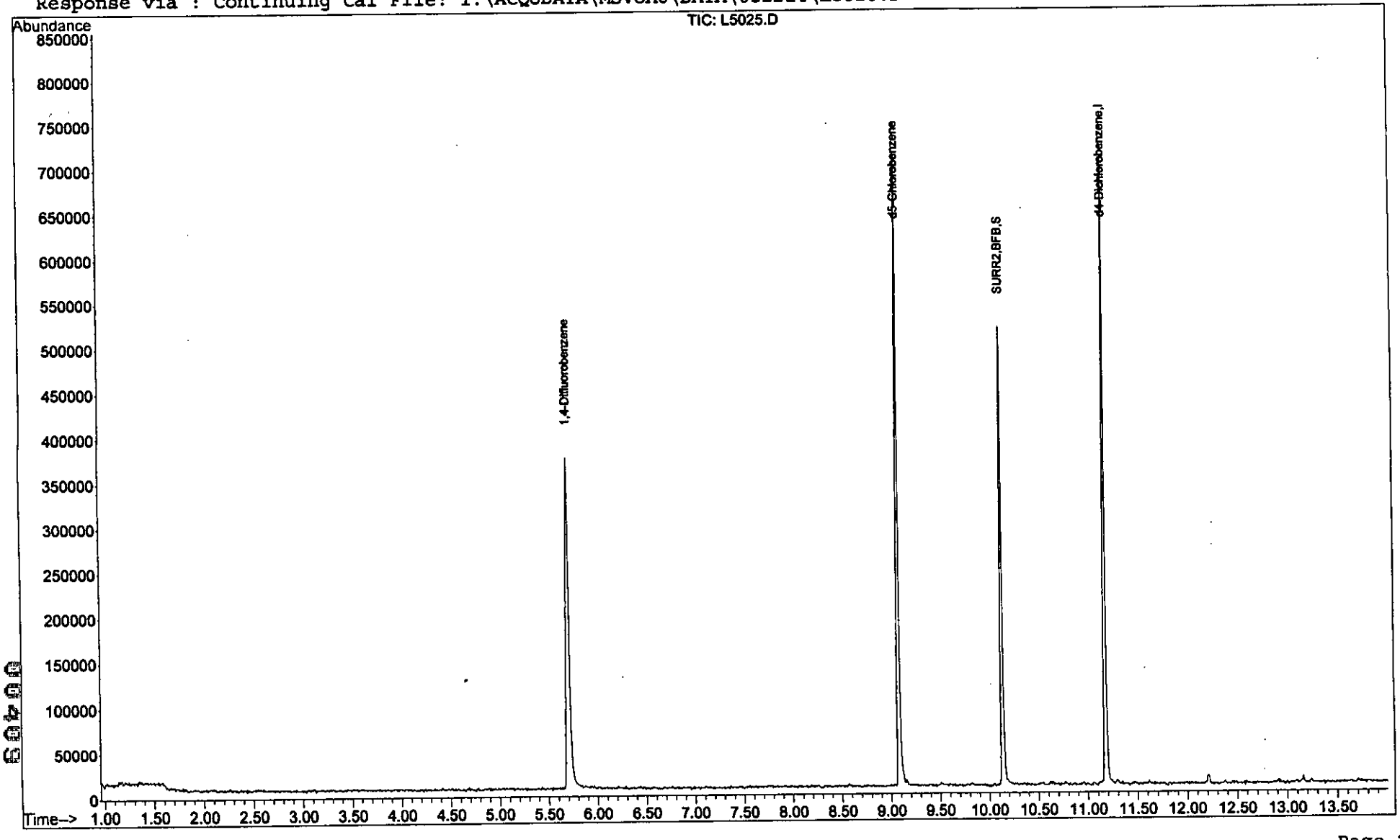
Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D
Acq On : 22 May 2014 10:11 pm
Sample : VBLK
Misc : OLC 2.1
MS Integration Params: CPD4.P
Quant Time: May 22 22:30 2014

Vial: 16
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D



LSC Area Percent Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D
Acq On : 22 May 2014 10:11 pm
Sample : VBLK
Misc : OLC 2.1
MS Integration Params: LSCINT.P

Vial: 16
Operator: D.Lipani
Inst : MS#6
Multiplr: 1.00

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Signal : TIC

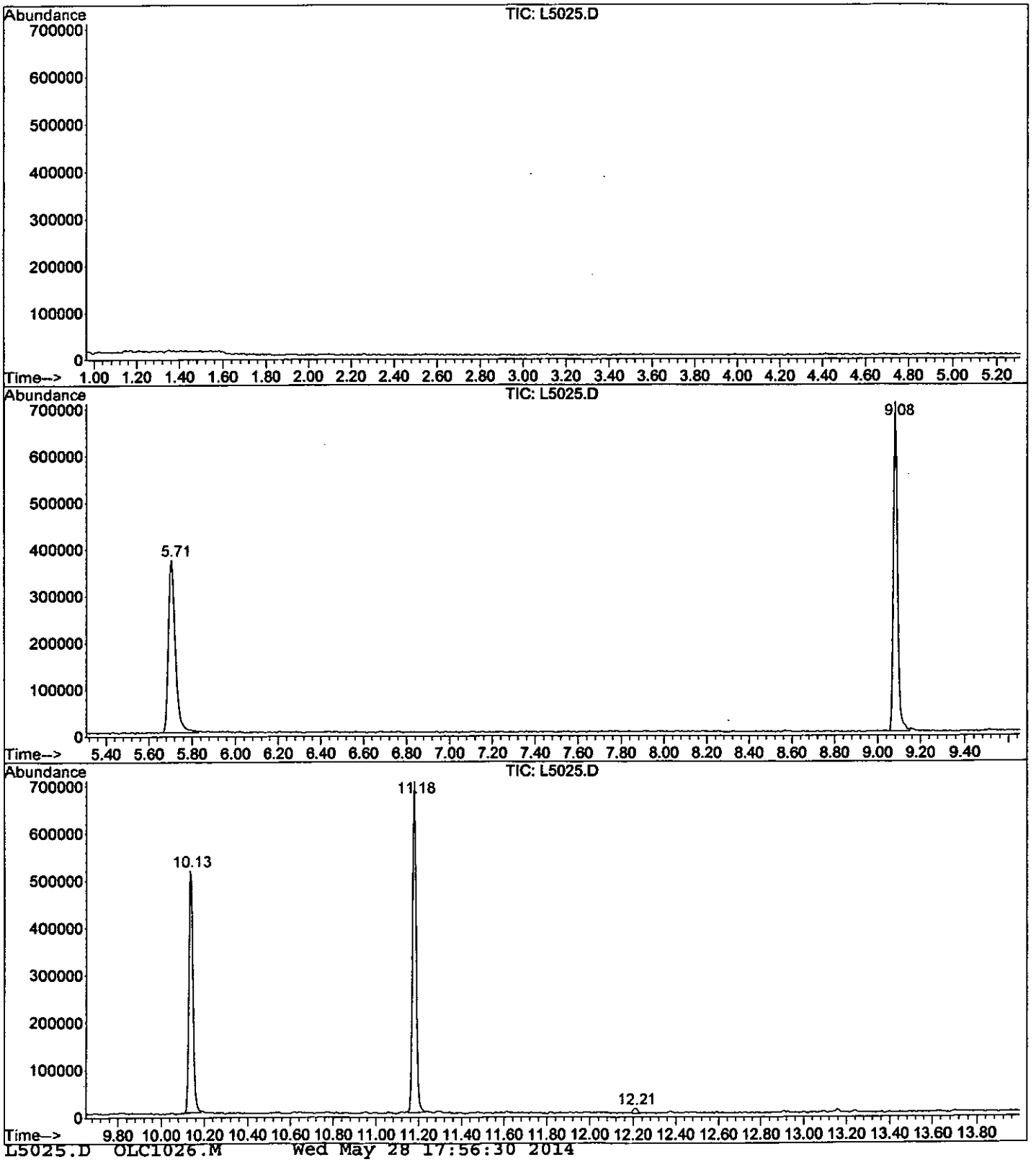
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.707	773	781	801	rBV	369005	845850	89.97%	25.396%
2	9.082	1331	1336	1347	rBV	704378	940150	100.00%	28.227%
3	10.134	1505	1509	1517	rBV	510575	668952	71.15%	20.084%
4	11.180	1676	1681	1690	rVV	699156	859740	91.45%	25.813%
5	12.208	1847	1850	1855	rVB3	10179	16014	1.70%	0.481%

Sum of corrected areas: 3330706

L5025.D OLC1026.M Wed May 28 17:56:26 2014

LSC Report - Integrated Chromatogram

File : I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D
Operator : D.Lipani
Acquired : 22 May 2014 10:11 pm using AcqMethod OLC1026
Instrument : MS#6
Sample Name: VBLK
Misc Info : OLC 2.1
Vial Number: 16
Quant File :OLC1026.RES (RTE Integrator)



L5025.D OLC1026.M Wed May 28 17:56:30 2014

00411

Tentatively Identified Compound (LSC) summary

Operator ID: D.Lipani Date Acquired: 22 May 2014 10:11 pm
Data File: I:\ACQUDATA\MSVOA6\DATA\052214\L5025.D
Name: VBLK
Misc: OLC 2.1
Method: I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: I:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L5025.D OLC1026.M Wed May 28 17:56:30 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: NA
Date Received: NA
Date Analyzed: 5/21/14 14:14

Sample Name: Lab Control Sample
Lab Code: RQ1405678-03

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4971.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**4.97**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	**5.19**		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	**5.18**		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**4.91**		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**5.57**		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**5.50**		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	**5.17**		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	**5.28**		1.0	0.24	
106-93-4	1,2-Dibromoethane	**5.14**		1.0	0.15	
107-06-2	1,2-Dichloroethane	**5.34**		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	**4.90**		1.0	0.10	
78-87-5	1,2-Dichloropropane	**5.16**		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	**4.71**		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	**4.66**		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**2.8**	J	5.0	1.1	
71-43-2	Benzene	**4.93**		1.0	0.10	
74-97-5	Bromochloromethane	**5.51**		1.0	0.15	
75-27-4	Bromodichloromethane	**5.11**		1.0	0.10	
75-25-2	Bromoform	**4.78**		1.0	0.15	
74-83-9	Bromomethane	**4.14**		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**4.91**		1.0	0.10	
108-90-7	Chlorobenzene	**4.94**		1.0	0.10	
75-00-3	Chloroethane	**5.41**		1.0	0.10	
67-66-3	Chloroform	**5.09**		1.0	0.10	
74-87-3	Chloromethane	**5.18**		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	**4.95**		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	**4.98**		1.0	0.12	
124-48-1	Dibromochloromethane	**5.13**		1.0	0.10	
100-41-4	Ethylbenzene	**4.95**		1.0	0.10	
87-68-3	Hexachlorobutadiene	**4.92**		1.0	0.10	
179601-23-1	m,p-Xylenes	**10.2**		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/21/14 14:14
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1405678-03	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4971.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**5.33**		1.0	0.10	
95-47-6	o-Xylene	**4.98**		1.0	0.10	
100-42-5	Styrene	**4.91**		1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	**4.80**		1.0	0.10	
108-88-3	Toluene	**4.70**		1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	**4.85**		1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	**5.05**		1.0	0.10	
79-01-6	Trichloroethene (TCE)	**4.89**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	**5.24**		1.0	0.10	
75-01-4	Vinyl Chloride	**5.17**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	80-120	5/21/14 14:14	

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4971.D Vial: 9
Acq On : 21 May 2014 2:14 pm Operator: D.Lipani
Sample : LCS RQ1405678-03 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 14:32 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

DL 05/21/14

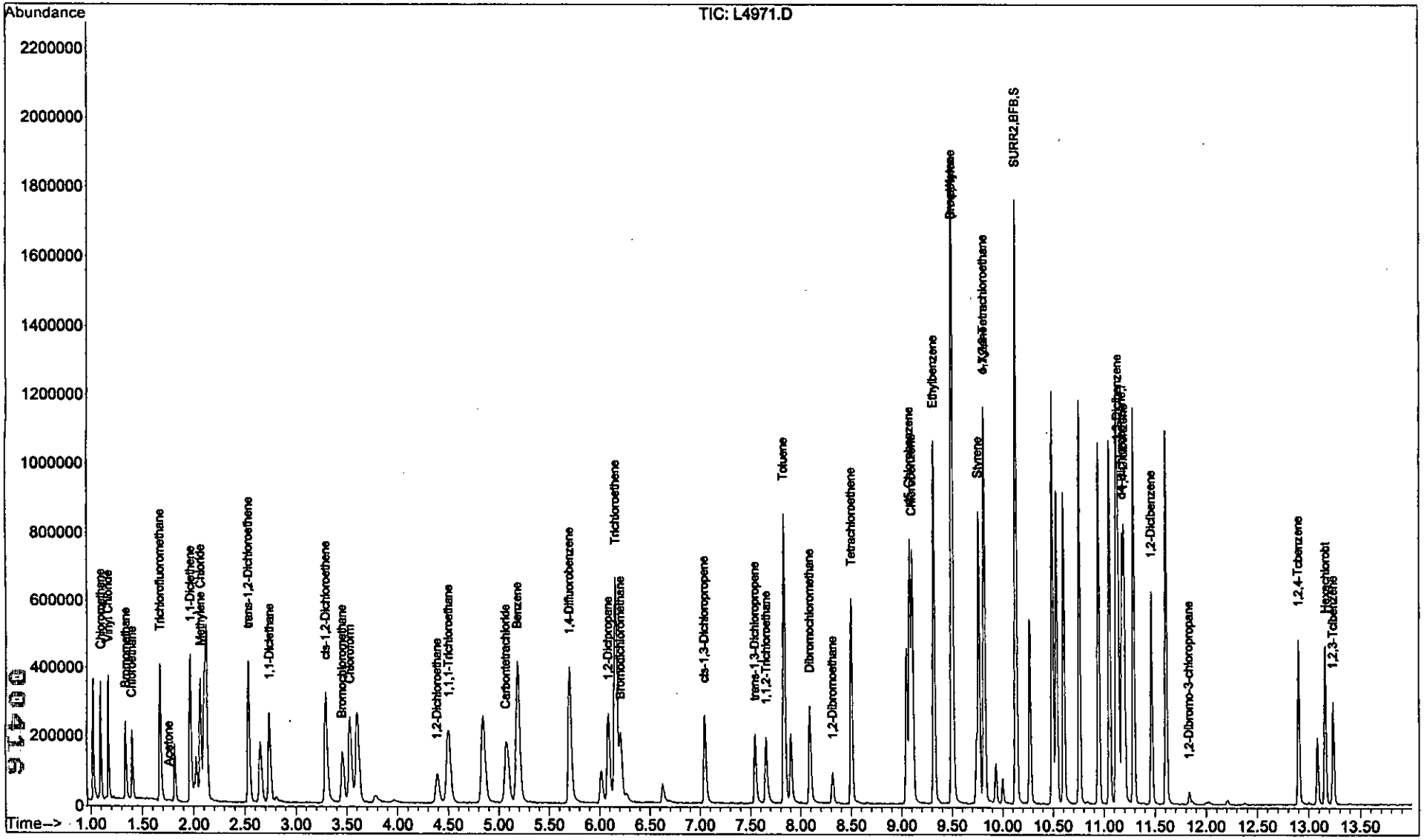
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	392005	5.00	ug/L	0.00
19) d5-Chlorobenzene	9.08	117	316787	5.00	ug/L	0.00
41) d4-Dichlorobenzene	11.18	152	149428	5.00	ug/L	0.00
System Monitoring Compounds						
18) SURR2,BFB	10.14	174	128196	5.15	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 103.00%			
Target Compounds						Qvalue
2) Chloromethane	1.10	50	178596	5.18	ug/L	97
3) Vinyl Chloride	1.17	62	163552	5.17	ug/L	99
4) Bromomethane	1.34	94	76568	4.14	ug/L	94
5) Chloroethane	1.40	64	87100	5.41	ug/L	100
6) Trichlorofluoromethane	1.68	101	213009	5.24	ug/L	99
7) Acetone	1.76	43	4479	2.75	ug/L	78 - not added
8) 1,1-Diclethene	1.97	96	113563	5.57	ug/L	95
9) Methylene Chloride	2.07	84	107805	5.33	ug/L	100
11) trans-1,2-Dichloroethene	2.54	96	121065	4.85	ug/L	89
12) 1,1-Diclethane	2.75	63	229557	4.91	ug/L	99
14) cis-1,2-Dichloroethene	3.30	96	126873	4.95	ug/L	93
15) Bromochloromethane	3.46	128	43931	5.51	ug/L	89
16) Chloroform	3.54	83	215570	5.09	ug/L	95
17) 1,2-Dichloroethane	4.39	62	94546	5.34	ug/L	97
20) 1,1,1-Trichloroethane	4.51	97	203578	4.97	ug/L	94
21) Carbontetrachloride	5.07	117	174022	4.91	ug/L	99
22) Benzene	5.19	78	485351	4.93	ug/L	95
23) 1,2-Diclpropane	6.09	63	113243	5.16	ug/L	93
24) Trichloroethene	6.16	95	136615	4.89	ug/L	95
25) Bromodichloromethane	6.21	83	133046	5.11	ug/L	99
26) cis-1,3-Dichloropropene	7.04	75	138691	4.98	ug/L	99
28) trans-1,3-Dichloropropene	7.55	75	97438	5.05	ug/L	95
29) 1,1,2-Trichloroethane	7.65	97	54378	5.18	ug/L	95
30) Toluene	7.84	91	520044	4.70	ug/L	100
31) Dibromochloromethane	8.09	129	78956	5.13	ug/L	99
33) 1,2-Dibromoethane	8.32	107	52117	5.14	ug/L	97
34) Tetrachloroethene	8.50	166	146641	4.80	ug/L	95
35) Chlorobenzene	9.11	112	313701	4.94	ug/L	97
36) Ethylbenzene	9.32	91	614742	4.95	ug/L	99
37) (m+p)Xylene	9.50	106	466483	10.15	ug/L	93
38) Styrene	9.76	104	300410	4.91	ug/L	93
39) o-Xylene	9.82	106	216032	4.98	ug/L	93
40) 1,1,2,2-Tetrachloroethane	9.82	83	57054	5.19	ug/L	97
42) Bromoform	9.50	173	40288	4.78	ug/L	98
43) 1,3-Diclbenzene	11.14	146	250357	4.71	ug/L	98
44) 1,4-Diclbenzene	11.20	146	238315	4.66	ug/L	97
45) 1,2-Diclbenzene	11.47	146	193900	4.90	ug/L	98
46) 1,2-Dibromo-3-chloropropan	11.84	75	7451	5.28	ug/L	87
47) 1,2,4-Tcbenzene	12.90	180	113718	5.17	ug/L	98
48) Hexachlorobt	13.16	225	75118	4.92	ug/L	99
49) 1,2,3-Tclbenzene	13.24	180	77227	5.50	ug/L	96

(#) = qualifier out of range (m) = manual integration
L4971.D OLC1026.M Wed May 21 14:32:46 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4971.D Vial: 9
Acq On : 21 May 2014 2:14 pm Operator: D.Lipani
Sample : LCS Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 21 14:32 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: NA
Date Received: NA
Date Analyzed: 5/22/14 03:42

Sample Name: Lab Control Sample
Lab Code: RQ1405715-03

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4994.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**4.99**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	**5.17**		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	**5.07**		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**4.82**		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**5.24**		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**5.23**		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	**4.94**		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	**4.84**		1.0	0.24	
106-93-4	1,2-Dibromoethane	**4.70**		1.0	0.15	
107-06-2	1,2-Dichloroethane	**4.76**		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	**4.91**		1.0	0.10	
78-87-5	1,2-Dichloropropane	**5.08**		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	**5.05**		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	**5.10**		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.3**	J	5.0	1.1	
71-43-2	Benzene	**4.90**		1.0	0.10	
74-97-5	Bromochloromethane	**4.56**		1.0	0.15	
75-27-4	Bromodichloromethane	**4.99**		1.0	0.10	
75-25-2	Bromoform	**4.98**		1.0	0.15	
74-83-9	Bromomethane	**3.75**		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**5.04**		1.0	0.10	
108-90-7	Chlorobenzene	**4.97**		1.0	0.10	
75-00-3	Chloroethane	**4.89**		1.0	0.10	
67-66-3	Chloroform	**4.88**		1.0	0.10	
74-87-3	Chloromethane	**4.89**		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	**4.62**		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	**4.82**		1.0	0.12	
124-48-1	Dibromochloromethane	**4.76**		1.0	0.10	
100-41-4	Ethylbenzene	**5.05**		1.0	0.10	
87-68-3	Hexachlorobutadiene	**4.76**		1.0	0.10	
179601-23-1	m,p-Xylenes	**10.1**		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 03:42
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1405715-03	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4994.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**4.80**		1.0	0.10	
95-47-6	o-Xylene	**4.95**		1.0	0.10	
100-42-5	Styrene	**4.97**		1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	**5.18**		1.0	0.10	
108-88-3	Toluene	**4.78**		1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	**4.98**		1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	**4.84**		1.0	0.10	
79-01-6	Trichloroethene (TCE)	**4.89**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	**5.01**		1.0	0.10	
75-01-4	Vinyl Chloride	**5.08**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 03:42	

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4994.D Vial: 31
Acq On : 22 May 2014 3:42 am Operator: D.Lipani
Sample : LCS RQ1405715-03 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:49 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	411499	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	340211	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	152457	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	128348	4.58	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 91.60%				
Target Compounds							Qvalue
2) Chloromethane	1.09	50	177192	4.89	ug/L		99
3) Vinyl Chloride	1.17	62	168164	5.08	ug/L		98
4) Bromomethane	1.34	94	82126	3.75	ug/L		91
5) Chloroethane	1.40	64	91149	4.89	ug/L		99
6) Trichlorofluoromethane	1.68	101	211274	5.01	ug/L		100
7) Acetone	1.76	43	2526	1.30	ug/L		85
8) 1,1-Diclethene	1.98	96	112335	5.24	ug/L		98
9) Methylene Chloride	2.07	84	107570	4.80	ug/L		95
11) trans-1,2-Dichloroethene	2.54	96	131776	4.98	ug/L		95
12) 1,1-Diclethane	2.74	63	237570	4.82	ug/L		99
13) 2-Butanone	3.21	43	656	0.21	ug/L	#	64
14) cis-1,2-Dichloroethene	3.30	96	128144	4.62	ug/L	#	82
15) Bromochloromethane	3.46	128	43849	4.56	ug/L	#	71
16) Chloroform	3.53	83	223542	4.88	ug/L		93
17) 1,2-Dichloroethane	4.40	62	95851	4.76	ug/L		100
20) 1,1,1-Trichloroethane	4.51	97	206099	4.99	ug/L		98
21) Carbontetrachloride	5.08	117	176673	5.04	ug/L		98
22) Benzene	5.19	78	493573	4.90	ug/L	#	94
23) 1,2-Diclpropane	6.09	63	120491	5.08	ug/L		93
24) Trichloroethene	6.16	95	138925	4.89	ug/L		95
25) Bromodichloromethane	6.21	83	138630	4.99	ug/L		99
26) cis-1,3-Dichloropropene	7.05	75	135004	4.82	ug/L		97
28) trans-1,3-Dichloropropene	7.55	75	98933	4.84	ug/L		96
29) 1,1,2-Trichloroethane	7.66	97	58376	5.07	ug/L		99
30) Toluene	7.84	91	533497	4.78	ug/L		100
31) Dibromochloromethane	8.09	129	78755	4.76	ug/L		99
33) 1,2-Dibromoethane	8.31	107	52847	4.70	ug/L	#	98
34) Tetrachloroethene	8.50	166	149317	5.18	ug/L		95
35) Chlorobenzene	9.11	112	325480	4.97	ug/L		98
36) Ethylbenzene	9.32	91	626387	5.05	ug/L		98
37) (m+p)Xylene	9.50	106	468815	10.11	ug/L		94
38) Styrene	9.77	104	314379	4.97	ug/L		99
39) o-Xylene	9.82	106	220403	4.95	ug/L		92
40) 1,1,2,2-Tetrachloroethane	9.81	83	66263	5.17	ug/L		94
42) Bromoform	9.50	173	41122	4.98	ug/L	#	91
43) 1,3-Diclbenzene	11.14	146	251920	5.05	ug/L		97
44) 1,4-Diclbenzene	11.20	146	243285	5.10	ug/L		99
45) 1,2-Diclbenzene	11.47	146	197061	4.91	ug/L		96
46) 1,2-Dibromo-3-chloropropan	11.83	75	7844	4.84	ug/L	#	84
47) 1,2,4-Tcbenzene	12.90	180	113824	4.94	ug/L		99
48) Hexachlorobt	13.16	225	65936	4.76	ug/L		98
49) 1,2,3-Tclbenzene	13.24	180	77245	5.23	ug/L		98

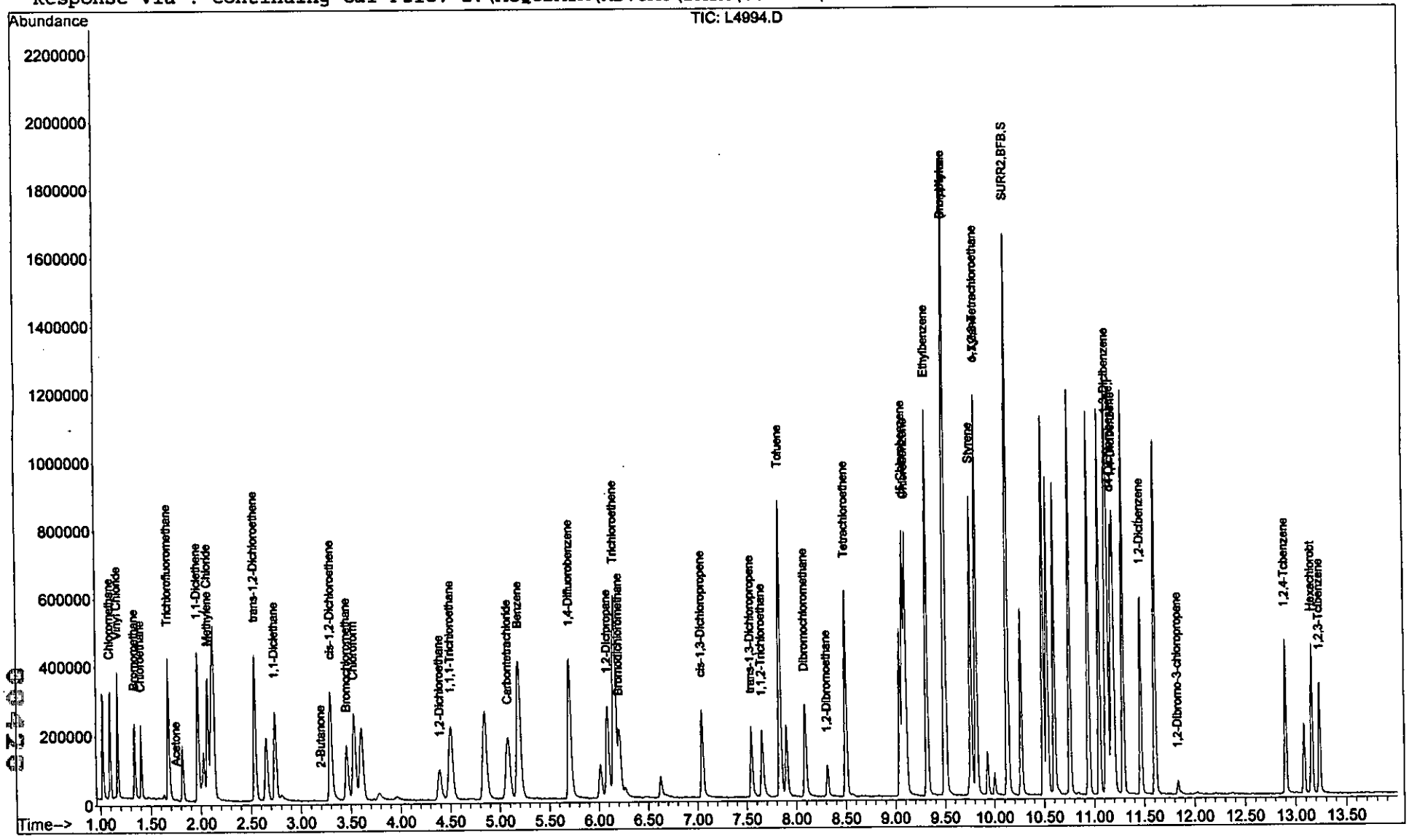
(#) = qualifier out of range (m) = manual integration

not added DL 5/22/14

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4994.D Vial: 31
Acq On : 22 May 2014 3:42 am Operator: D.Lipani
Sample : LCS Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 7:49 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 19:48
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1405787-03	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5021.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**5.39**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	**4.70**		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	**4.81**		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**4.68**		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**5.27**		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**4.55**		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	**4.79**		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	**4.84**		1.0	0.24	
106-93-4	1,2-Dibromoethane	**5.02**		1.0	0.15	
107-06-2	1,2-Dichloroethane	**4.50**		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	**5.00**		1.0	0.10	
78-87-5	1,2-Dichloropropane	**5.29**		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	**4.87**		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	**4.82**		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	**5.31**		1.0	0.10	
74-97-5	Bromochloromethane	**4.40**		1.0	0.15	
75-27-4	Bromodichloromethane	**5.28**		1.0	0.10	
75-25-2	Bromoform	**4.79**		1.0	0.15	
74-83-9	Bromomethane	**3.72**		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**5.47**		1.0	0.10	
108-90-7	Chlorobenzene	**5.09**		1.0	0.10	
75-00-3	Chloroethane	**5.11**		1.0	0.10	
67-66-3	Chloroform	**4.64**		1.0	0.10	
74-87-3	Chloromethane	**5.04**		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	**4.57**		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	**5.00**		1.0	0.12	
124-48-1	Dibromochloromethane	**4.86**		1.0	0.10	
100-41-4	Ethylbenzene	**5.28**		1.0	0.10	
87-68-3	Hexachlorobutadiene	**4.98**		1.0	0.10	
179601-23-1	m,p-Xylenes	**10.6**		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 19:48
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1405787-03	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5021.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**4.50**		1.0	0.10	
95-47-6	o-Xylene	**5.27**		1.0	0.10	
100-42-5	Styrene	**5.15**		1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	**5.30**		1.0	0.10	
108-88-3	Toluene	**5.31**		1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	**4.55**		1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	**4.92**		1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.27**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	**4.94**		1.0	0.10	
75-01-4	Vinyl Chloride	**5.10**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	80-120	5/22/14 19:48	

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5021.D Vial: 12
Acq On : 22 May 2014 7:48 pm Operator: D.Lipani
Sample : LCS RQ1405787-03 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 20:06 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	358393	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	287349	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	134486	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	113571	4.45	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 89.00%				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	165153	5.04	ug/L		99
3) Vinyl Chloride	1.17	62	156691	5.10	ug/L		100
4) Bromomethane	1.34	94	74128	3.72	ug/L		95
5) Chloroethane	1.41	64	86323	5.11	ug/L		98
6) Trichlorofluoromethane	1.67	101	206921	4.94	ug/L		98
7) Acetone	1.76	43	1371	0.77	ug/L		69
8) 1,1-Diclethene	1.97	96	110348	5.27	ug/L		96
9) Methylene Chloride	2.07	84	96347	4.50	ug/L		93
11) trans-1,2-Dichloroethene	2.54	96	118154	4.55	ug/L		85
12) 1,1-Diclethane	2.74	63	212183	4.68	ug/L		96
14) cis-1,2-Dichloroethene	3.30	96	118952	4.57	ug/L		95
15) Bromochloromethane	3.46	128	39867	4.40	ug/L		91
16) Chloroform	3.53	83	198250	4.64	ug/L		95
17) 1,2-Dichloroethane	4.39	62	82369	4.50	ug/L		95
20) 1,1,1-Trichloroethane	4.50	97	190668	5.39	ug/L		97
21) Carbontetrachloride	5.07	117	172741	5.47	ug/L		95
22) Benzene	5.19	78	461438	5.31	ug/L		97
23) 1,2-Diclpropane	6.09	63	107042	5.29	ug/L		98
24) Trichloroethene	6.16	95	131458	5.27	ug/L		98
25) Bromodichloromethane	6.21	83	122686	5.28	ug/L		96
26) cis-1,3-Dichloropropene	7.04	75	122288	5.00	ug/L		98
28) trans-1,3-Dichloropropene	7.54	75	86819	4.92	ug/L		97
29) 1,1,2-Trichloroethane	7.65	97	47916	4.81	ug/L		96
30) Toluene	7.83	91	513775	5.31	ug/L		99
31) Dibromochloromethane	8.10	129	69212	4.86	ug/L		97
33) 1,2-Dibromoethane	8.31	107	48319	5.02	ug/L	#	99
34) Tetrachloroethene	8.50	166	150021	5.30	ug/L		97
35) Chlorobenzene	9.11	112	300086	5.09	ug/L		98
36) Ethylbenzene	9.32	91	586066	5.28	ug/L		99
37) (m+p)Xylene	9.50	106	442379	10.57	ug/L		95
38) Styrene	9.77	104	283260	5.15	ug/L		98
39) o-Xylene	9.82	106	208998	5.27	ug/L		93
40) 1,1,2,2-Tetrachloroethane	9.82	83	49313	4.70	ug/L		98
42) Bromoform	9.50	173	36656	4.79	ug/L	#	97
43) 1,3-Diclbenzene	11.14	146	232860	4.87	ug/L		99
44) 1,4-Diclbenzene	11.20	146	221041	4.82	ug/L		97
45) 1,2-Diclbenzene	11.46	146	181445	5.00	ug/L		100
46) 1,2-Dibromo-3-chloropropan	11.84	75	6067	4.84	ug/L		92
47) 1,2,4-Tcbenzene	12.90	180	101522	4.79	ug/L		100
48) Hexachlorobt	13.16	225	67974	4.98	ug/L		93
49) 1,2,3-Tclbenzene	13.23	180	64562	4.55	ug/L		96

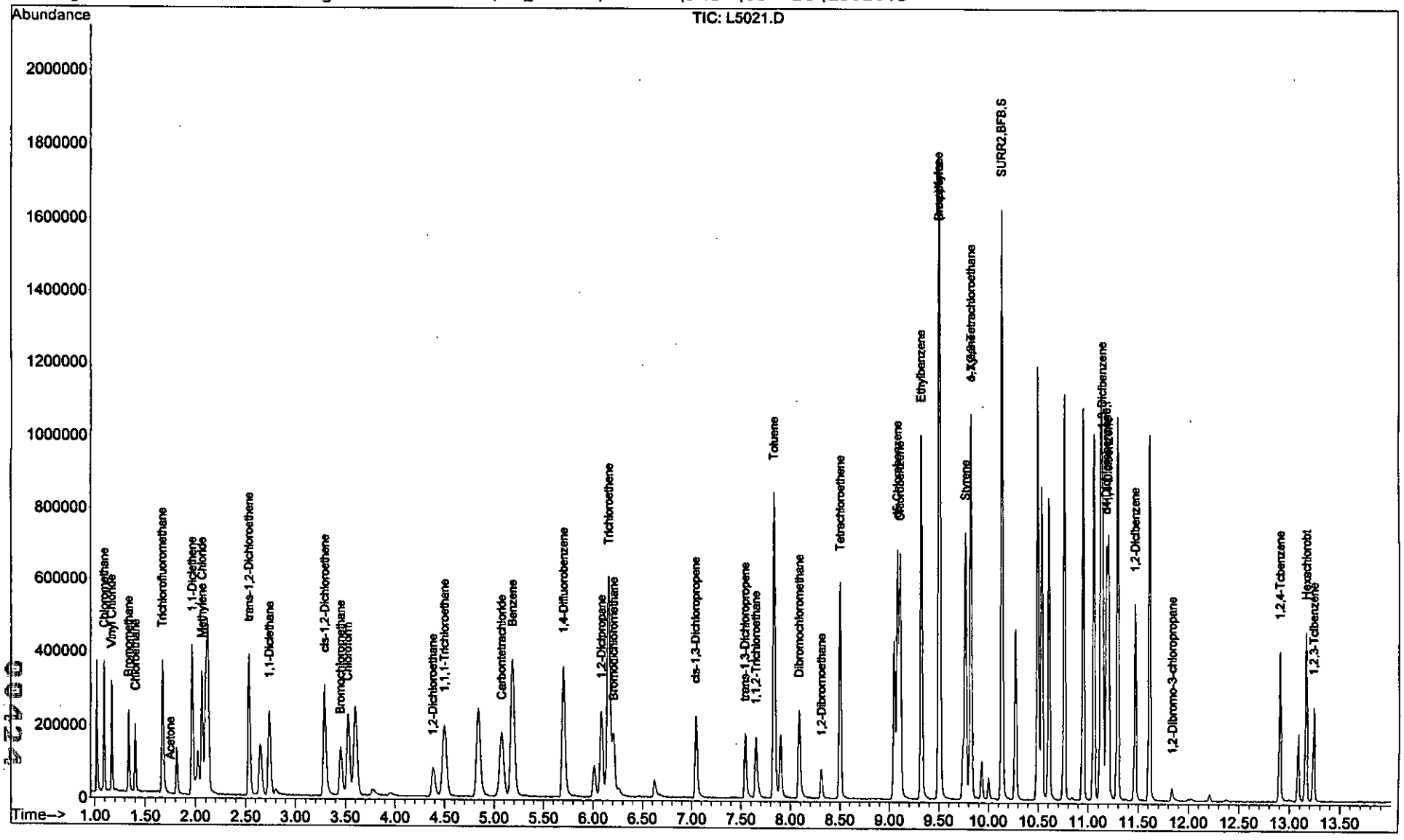
(#) = qualifier out of range (m) = manual integration
L5021.D OLC1026.M Thu May 22 20:06:19 2014

05/23/14

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5021.D Vial: 12
Acq On : 22 May 2014 7:48 pm Operator: D.Lipani
Sample : LCS Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 20:06 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D



L5021.D OLC1026.M Thu May 22 20:06:23 2014

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: NA
Date Received: NA
Date Analyzed: 5/22/14 20:24

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ1405787-04

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052214\L5022.D\

Analysis Lot: 393854
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**5.21**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	**5.14**		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	**4.84**		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**4.76**		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**5.06**		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**5.06**		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	**5.34**		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	**5.74**		1.0	0.24	
106-93-4	1,2-Dibromoethane	**5.21**		1.0	0.15	
107-06-2	1,2-Dichloroethane	**4.77**		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	**5.13**		1.0	0.10	
78-87-5	1,2-Dichloropropane	**5.15**		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	**5.05**		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	**5.01**		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	**5.18**		1.0	0.10	
74-97-5	Bromochloromethane	**4.49**		1.0	0.15	
75-27-4	Bromodichloromethane	**5.36**		1.0	0.10	
75-25-2	Bromoform	**5.19**		1.0	0.15	
74-83-9	Bromomethane	**3.91**		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**5.01**		1.0	0.10	
108-90-7	Chlorobenzene	**5.08**		1.0	0.10	
75-00-3	Chloroethane	**4.74**		1.0	0.10	
67-66-3	Chloroform	**4.79**		1.0	0.10	
74-87-3	Chloromethane	**5.08**		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	**4.73**		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	**4.99**		1.0	0.12	
124-48-1	Dibromochloromethane	**5.16**		1.0	0.10	
100-41-4	Ethylbenzene	**5.16**		1.0	0.10	
87-68-3	Hexachlorobutadiene	**4.94**		1.0	0.10	
179601-23-1	m,p-Xylenes	**10.5**		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/22/14 20:24
Sample Name:	Duplicate Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1405787-04	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5022.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**4.66**		1.0	0.10	
95-47-6	o-Xylene	**5.14**		1.0	0.10	
100-42-5	Styrene	**5.27**		1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	**5.04**		1.0	0.10	
108-88-3	Toluene	**5.08**		1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	**4.72**		1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	**4.84**		1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.10**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	**4.86**		1.0	0.10	
75-01-4	Vinyl Chloride	**5.04**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	80-120	5/22/14 20:24	

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5022.D Vial: 13
Acq On : 22 May 2014 8:24 pm Operator: D.Lipani
Sample : DLCS RQ1405787-04 Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 20:42 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	364668	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	305966	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	141169	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	124235	4.78	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 95.60%				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	169379	5.08	ug/L		99
3) Vinyl Chloride	1.17	62	157614	5.04	ug/L		95
4) Bromomethane	1.34	94	79391	3.91	ug/L		92
5) Chloroethane	1.41	64	81488	4.74	ug/L		98
6) Trichlorofluoromethane	1.68	101	207246	4.86	ug/L		100
7) Acetone	1.76	43	725	0.40	ug/L		58
8) 1,1-Diclethene	1.97	96	107930	5.06	ug/L		90
9) Methylene Chloride	2.07	84	101632	4.66	ug/L		93
11) trans-1,2-Dichloroethene	2.54	96	124743	4.72	ug/L		92
12) 1,1-Diclethane	2.74	63	219199	4.76	ug/L		97
14) cis-1,2-Dichloroethene	3.29	96	125147	4.73	ug/L		95
15) Bromochloromethane	3.47	128	41456	4.49	ug/L		91
16) Chloroform	3.53	83	208399	4.79	ug/L		98
17) 1,2-Dichloroethane	4.39	62	88794	4.77	ug/L	#	90
20) 1,1,1-Trichloroethane	4.50	97	196297	5.21	ug/L		98
21) Carbontetrachloride	5.08	117	168487	5.01	ug/L		96
22) Benzene	5.19	78	479013	5.18	ug/L		97
23) 1,2-Diclpropane	6.09	63	111055	5.15	ug/L		94
24) Trichloroethene	6.16	95	135370	5.10	ug/L		97
25) Bromodichloromethane	6.22	83	132542	5.36	ug/L		97
26) cis-1,3-Dichloropropene	7.05	75	130089	4.99	ug/L		97
28) trans-1,3-Dichloropropene	7.55	75	91038	4.84	ug/L		95
29) 1,1,2-Trichloroethane	7.66	97	51370	4.84	ug/L		96
30) Toluene	7.84	91	523866	5.08	ug/L		99
31) Dibromochloromethane	8.10	129	78297	5.16	ug/L		96
33) 1,2-Dibromoethane	8.31	107	53408	5.21	ug/L		95
34) Tetrachloroethene	8.50	166	151975	5.04	ug/L		97
35) Chlorobenzene	9.11	112	318466	5.08	ug/L		98
36) Ethylbenzene	9.32	91	610083	5.16	ug/L		98
37) (m+p)Xylene	9.50	106	467629	10.49	ug/L		96
38) Styrene	9.77	104	308719	5.27	ug/L		98
39) o-Xylene	9.82	106	217042	5.14	ug/L		96
40) 1,1,2,2-Tetrachloroethane	9.82	83	57453	5.14	ug/L		98
42) Bromoform	9.50	173	41741	5.19	ug/L	#	94
43) 1,3-Diclbenzene	11.14	146	253210	5.05	ug/L		99
44) 1,4-Diclbenzene	11.20	146	240848	5.01	ug/L		95
45) 1,2-Diclbenzene	11.46	146	195363	5.13	ug/L		98
46) 1,2-Dibromo-3-chloropropan	11.84	75	7547	5.74	ug/L		86
47) 1,2,4-Tcbenzene	12.90	180	118766	5.34	ug/L		99
48) Hexachlorobt	13.16	225	70742	4.94	ug/L		97
49) 1,2,3-Tclbenzene	13.23	180	75321	5.06	ug/L		96

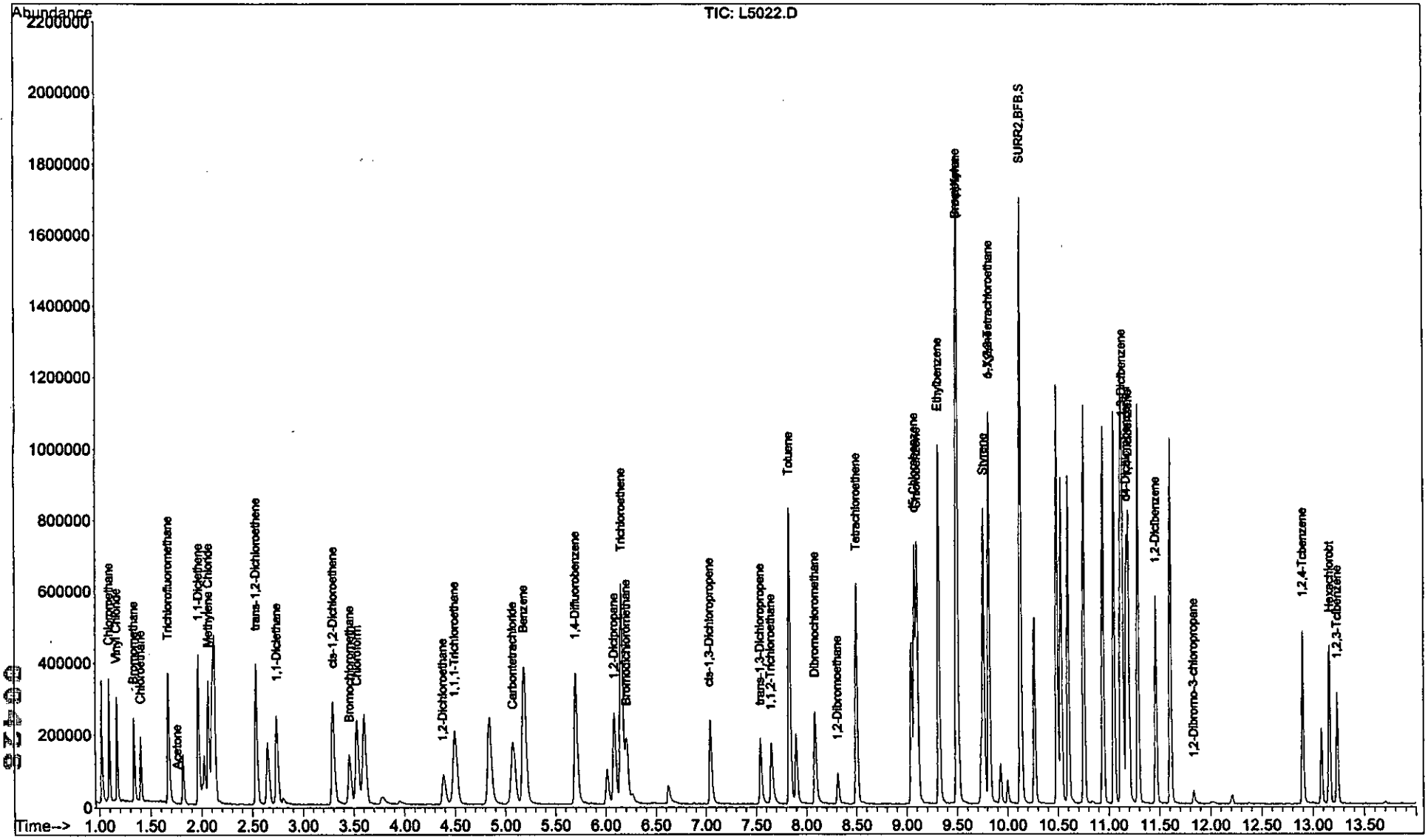
DL 05/23/14

(#) = qualifier out of range (m) = manual integration
L5022.D OLC1026.M Thu May 22 20:42:32 2014

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052214\L5022.D Vial: 13
Acq On : 22 May 2014 8:24 pm Operator: D.Lipani
Sample : DLCS Inst : MS#6
Misc : OLC 2.1 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 20:42 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052214\L5020.D



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 00:08
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	RQ1405678-05	**Basis:**	NA
Run Type:	Matrix Spike		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4988.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**5.05**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	**5.69**		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	**5.33**		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**5.28**		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**5.74**		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**5.32**		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	**5.15**		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	**5.15**		1.0	0.24	
106-93-4	1,2-Dibromoethane	**5.45**		1.0	0.15	
107-06-2	1,2-Dichloroethane	**5.41**		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	**4.92**		1.0	0.10	
78-87-5	1,2-Dichloropropane	**5.41**		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	**4.90**		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	4.76		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.9**	J	5.0	1.1	
71-43-2	Benzene	**5.10**		1.0	0.10	
74-97-5	Bromochloromethane	**5.52**		1.0	0.15	
75-27-4	Bromodichloromethane	**5.26**		1.0	0.10	
75-25-2	Bromoform	**4.69**		1.0	0.15	
74-83-9	Bromomethane	**3.94**		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**5.10**		1.0	0.10	
108-90-7	Chlorobenzene	**5.22**		1.0	0.10	
75-00-3	Chloroethane	**5.54**		1.0	0.10	
67-66-3	Chloroform	**5.37**		1.0	0.10	
74-87-3	Chloromethane	**5.34**		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	**5.13**		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	**4.94**		1.0	0.12	
124-48-1	Dibromochloromethane	**4.85**		1.0	0.10	
100-41-4	Ethylbenzene	**5.15**		1.0	0.10	
87-68-3	Hexachlorobutadiene	**4.44**		1.0	0.10	
179601-23-1	m,p-Xylenes	**10.4**		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 00:08
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	RQ1405678-05	**Basis:**	NA
Run Type:	Matrix Spike		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4988.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**5.52**		1.0	0.10	
95-47-6	o-Xylene	**5.35**		1.0	0.10	
100-42-5	Styrene	**5.19**		1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	**5.00**		1.0	0.10	
108-88-3	Toluene	**4.93**		1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	**5.36**		1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	**5.06**		1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.15**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	**5.55**		1.0	0.10	
75-01-4	Vinyl Chloride	**5.42**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	5/22/14 00:08	

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4988.D Vial: 26
Acq On : 22 May 2014 12:08 am Operator: D.Lipani
Sample : R1403523-017MS|1.0 RQ1405678-05 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 0:26 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	394525	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	324584	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	153002	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	127981	5.11	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.20%				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	185392	5.34	ug/L		98
3) Vinyl Chloride	1.17	62	172515	5.42	ug/L		96
4) Bromomethane	1.34	94	73465	3.94	ug/L		93
5) Chloroethane	1.40	64	89729	5.54	ug/L		98
6) Trichlorofluoromethane	1.68	101	227210	5.55	ug/L		99
7) Acetone	1.76	43	3156	1.93	ug/L		79
8) 1,1-Diclethene	1.98	96	117752	5.74	ug/L		95
9) Methylene Chloride	2.07	84	112384	5.52	ug/L		97
11) trans-1,2-Dichloroethene	2.54	96	134836	5.36	ug/L		94
12) 1,1-Diclethane	2.75	63	248640	5.28	ug/L		98
14) cis-1,2-Dichloroethene	3.30	96	132419	5.13	ug/L		85
15) Bromochloromethane	3.46	128	44308	5.52	ug/L		83
16) Chloroform	3.54	83	229042	5.37	ug/L		99
17) 1,2-Dichloroethane	4.39	62	96394	5.41	ug/L	#	88
20) 1,1,1-Trichloroethane	4.51	97	211787	5.05	ug/L		97
21) Carbontetrachloride	5.08	117	185126	5.10	ug/L		96
22) Benzene	5.19	78	515016	5.10	ug/L		94
23) 1,2-Diclpropane	6.09	63	121821	5.41	ug/L		94
24) Trichloroethene	6.16	95	147525	5.15	ug/L		95
25) Bromodichloromethane	6.21	83	140577	5.26	ug/L		96
26) cis-1,3-Dichloropropene	7.05	75	140949	4.94	ug/L		98
28) trans-1,3-Dichloropropene	7.55	75	100025	5.06	ug/L		98
29) 1,1,2-Trichloroethane	7.66	97	57264	5.33	ug/L		98
30) Toluene	7.84	91	559251	4.93	ug/L		98
31) Dibromochloromethane	8.09	129	76402	4.85	ug/L		95
33) 1,2-Dibromoethane	8.31	107	56671	5.45	ug/L		97
34) Tetrachloroethene	8.50	166	156387	5.00	ug/L		95
35) Chlorobenzene	9.11	112	339563	5.22	ug/L		97
36) Ethylbenzene	9.32	91	656084	5.15	ug/L		98
37) (m+p)Xylene	9.50	106	489476	10.40	ug/L		95
38) Styrene	9.77	104	325353	5.19	ug/L		98
39) o-Xylene	9.82	106	237689	5.35	ug/L		98
40) 1,1,2,2-Tetrachloroethane	9.81	83	64012	5.69	ug/L		96
42) Bromoform	9.50	173	40451	4.69	ug/L	#	97
43) 1,3-Diclbenzene	11.14	146	266469	4.90	ug/L		99
44) 1,4-Diclbenzene	11.20	146	249152	4.76	ug/L		96
45) 1,2-Diclbenzene	11.47	146	199439	4.92	ug/L		96
46) 1,2-Dibromo-3-chloropropan	11.83	75	7432	5.15	ug/L		86
47) 1,2,4-Tcbenzene	12.90	180	116088	5.15	ug/L		98
48) Hexachlorobt	13.16	225	69366	4.44	ug/L		96
49) 1,2,3-Tclbenzene	13.24	180	76502	5.32	ug/L		98

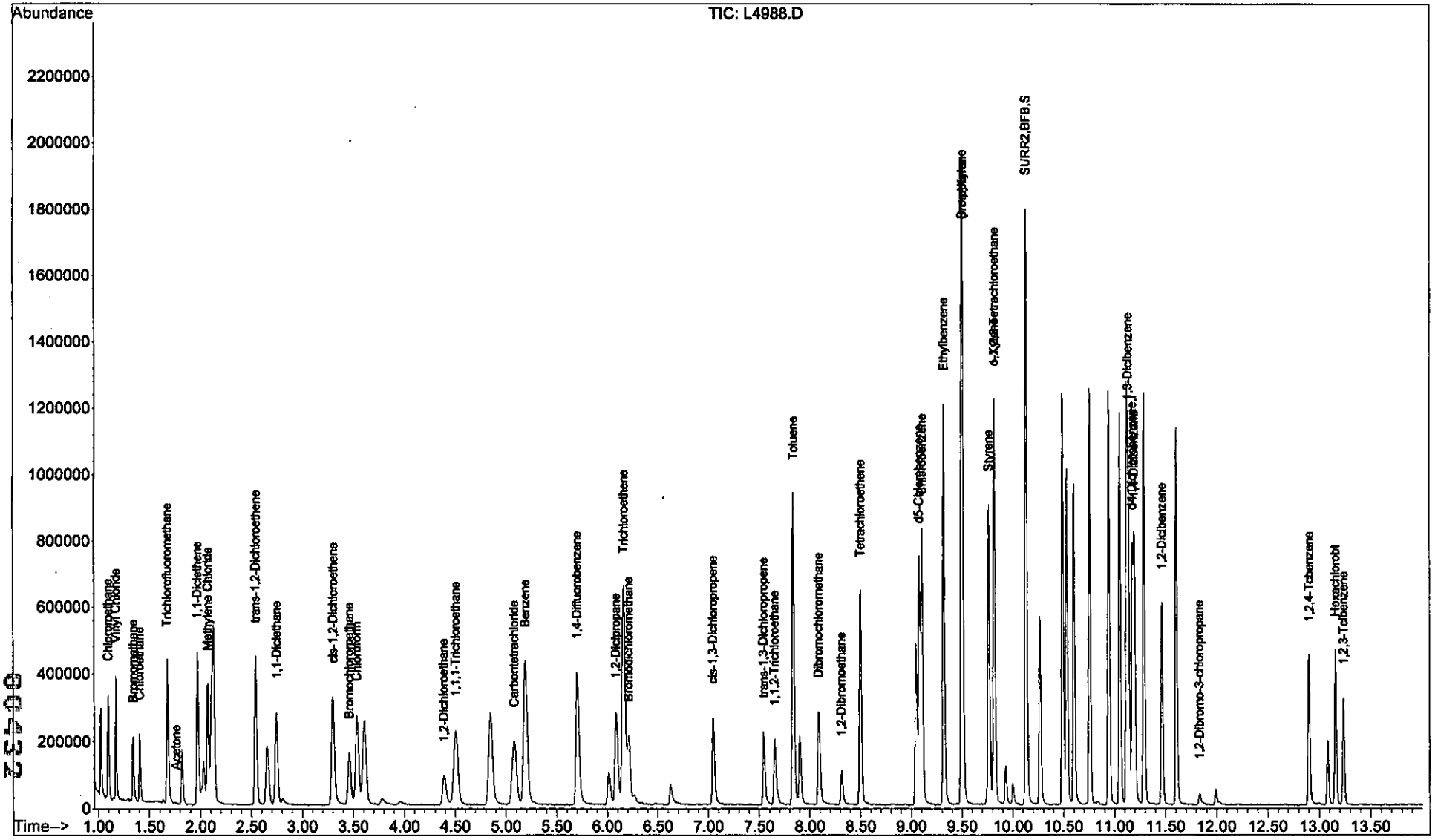
(#) = qualifier out of range (m) = manual integration

DL 5/28/14

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4988.D Vial: 26
Acq On : 22 May 2014 12:08 am Operator: D.Lipani
Sample : R1403523-017MS|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 0:26 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 00:43
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	RQ1405678-06	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4989.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**4.98**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	**5.50**		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	**5.11**		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**5.35**		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**6.03**		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**5.79**		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	**5.43**		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	**5.66**		1.0	0.24	
106-93-4	1,2-Dibromoethane	**5.19**		1.0	0.15	
107-06-2	1,2-Dichloroethane	**5.62**		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	**5.22**		1.0	0.10	
78-87-5	1,2-Dichloropropane	**5.32**		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	**4.89**		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	**4.70**		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**2.6**	J	5.0	1.1	
71-43-2	Benzene	**5.08**		1.0	0.10	
74-97-5	Bromochloromethane	**5.59**		1.0	0.15	
75-27-4	Bromodichloromethane	**5.31**		1.0	0.10	
75-25-2	Bromoform	**4.81**		1.0	0.15	
74-83-9	Bromomethane	**4.39**		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**5.10**		1.0	0.10	
108-90-7	Chlorobenzene	**5.11**		1.0	0.10	
75-00-3	Chloroethane	**5.68**		1.0	0.10	
67-66-3	Chloroform	**5.39**		1.0	0.10	
74-87-3	Chloromethane	**5.27**		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	**5.37**		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	**4.71**		1.0	0.12	
124-48-1	Dibromochloromethane	**4.87**		1.0	0.10	
100-41-4	Ethylbenzene	**5.07**		1.0	0.10	
87-68-3	Hexachlorobutadiene	**4.61**		1.0	0.10	
179601-23-1	m,p-Xylenes	**10.4**		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 00:43
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	RQ1405678-06	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4989.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**5.37**		1.0	0.10	
95-47-6	o-Xylene	**5.07**		1.0	0.10	
100-42-5	Styrene	**5.05**		1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	**5.04**		1.0	0.10	
108-88-3	Toluene	**4.93**		1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	**5.49**		1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	**4.79**		1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.07**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	**5.58**		1.0	0.10	
75-01-4	Vinyl Chloride	**5.30**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	80-120	5/22/14 00:43	

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4989.D Vial: 27
Acq On : 22 May 2014 12:43 am RQ1405678-06 Operator: D.Lipani
Sample : R1403523-017MSD|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 1:01 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	389574	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.09	117	329791	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	152713	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	131899	5.33	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 106.60%				
Target Compounds							Qvalue
2) Chloromethane	1.10	50	180829	5.27	ug/L		100
3) Vinyl Chloride	1.17	62	166613	5.30	ug/L		94
4) Bromomethane	1.34	94	80764	4.39	ug/L		96
5) Chloroethane	1.40	64	90895	5.68	ug/L		93
6) Trichlorofluoromethane	1.68	101	225613	5.58	ug/L		99
7) Acetone	1.76	43	4152	2.57	ug/L		86
8) 1,1-Diclethene	1.97	96	122242	6.03	ug/L		87
9) Methylene Chloride	2.07	84	108006	5.37	ug/L		90
11) trans-1,2-Dichloroethene	2.54	96	136412	5.49	ug/L		90
12) 1,1-Diclethane	2.74	63	248703	5.35	ug/L		96
14) cis-1,2-Dichloroethene	3.30	96	136888	5.37	ug/L		91
15) Bromochloromethane	3.46	128	44333	5.59	ug/L	#	76
16) Chloroform	3.54	83	227030	5.39	ug/L		98
17) 1,2-Dichloroethane	4.40	62	98739	5.62	ug/L		93
20) 1,1,1-Trichloroethane	4.51	97	212319	4.98	ug/L		98
21) Carbontetrachloride	5.08	117	188328	5.10	ug/L		95
22) Benzene	5.19	78	520871	5.08	ug/L	#	93
23) 1,2-Diclpropane	6.09	63	121750	5.32	ug/L		90
24) Trichloroethene	6.16	95	147644	5.07	ug/L		95
25) Bromodichloromethane	6.21	83	144032	5.31	ug/L		95
26) cis-1,3-Dichloropropene	7.05	75	136586	4.71	ug/L		99
28) trans-1,3-Dichloropropene	7.55	75	96053	4.79	ug/L		95
29) 1,1,2-Trichloroethane	7.66	97	55826	5.11	ug/L		93
30) Toluene	7.84	91	567703	4.93	ug/L		99
31) Dibromochloromethane	8.09	129	78010	4.87	ug/L		99
33) 1,2-Dibromoethane	8.31	107	54829	5.19	ug/L		99
34) Tetrachloroethene	8.50	166	160332	5.04	ug/L		95
35) Chlorobenzene	9.11	112	337562	5.11	ug/L		98
36) Ethylbenzene	9.32	91	655883	5.07	ug/L		100
37) (m+p)Xylene	9.51	106	497780	10.41	ug/L		92
38) Styrene	9.77	104	321604	5.05	ug/L		95
39) o-Xylene	9.82	106	228798	5.07	ug/L		91
40) 1,1,2,2-Tetrachloroethane	9.82	83	62932	5.50	ug/L		97
42) Bromoform	9.51	173	41448	4.81	ug/L	#	95
43) 1,3-Diclbenzene	11.14	146	265616	4.89	ug/L		98
44) 1,4-Diclbenzene	11.20	146	245404	4.70	ug/L		96
45) 1,2-Diclbenzene	11.47	146	210974	5.22	ug/L		99
46) 1,2-Dibromo-3-chloropropan	11.83	75	8162	5.66	ug/L	#	77
47) 1,2,4-Tcbenzene	12.90	180	122191	5.43	ug/L		98
48) Hexachlorobt	13.16	225	71998	4.61	ug/L		98
49) 1,2,3-Tclbenzene	13.24	180	83078	5.79	ug/L		94

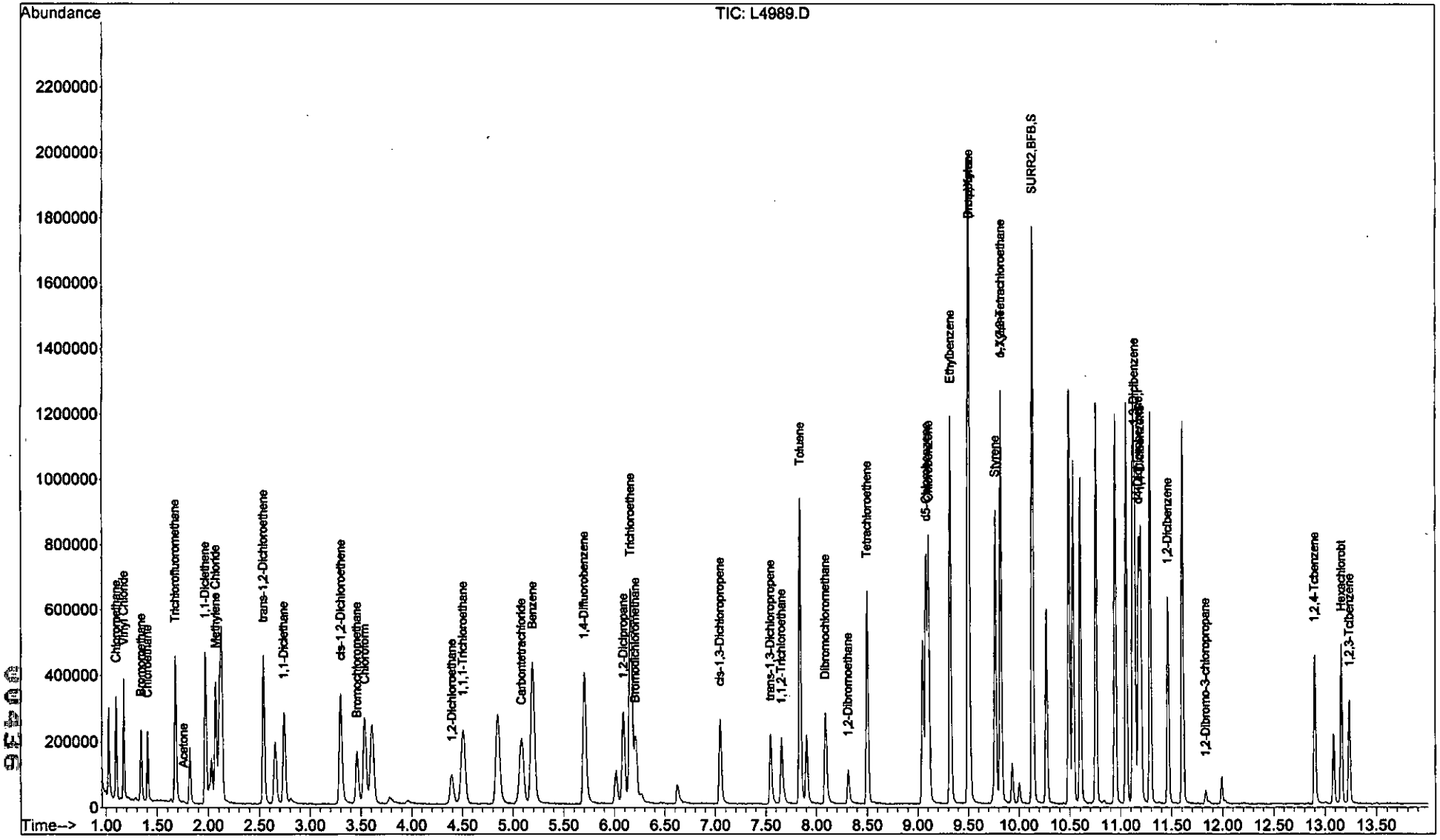
DL 5/28/14

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

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L4989.D Vial: 27
Acq On : 22 May 2014 12:43 am Operator: D.Lipani
Sample : R1403523-017MSD|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 1:01 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Wed May 21 14:06:54 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4970.D



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14
Date Analyzed: 5/22/14 13:14

Sample Name: M-27D
Lab Code: RQ1405715-05
Run Type: Matrix Spike

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**5.56**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	**5.07**		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	**5.25**		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**5.13**		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**5.83**		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**4.82**		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	**4.79**		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	**4.27**		1.0	0.24	
106-93-4	1,2-Dibromoethane	**5.07**		1.0	0.15	
107-06-2	1,2-Dichloroethane	**4.85**		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	**5.06**		1.0	0.10	
78-87-5	1,2-Dichloropropane	**5.50**		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	**5.15**		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	**5.37**		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	5.0	U	5.0	1.1	
71-43-2	Benzene	**5.50**		1.0	0.10	
74-97-5	Bromochloromethane	**4.68**		1.0	0.15	
75-27-4	Bromodichloromethane	**5.42**		1.0	0.10	
75-25-2	Bromoform	**4.70**		1.0	0.15	
74-83-9	Bromomethane	**3.86**		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.14	
56-23-5	Carbon Tetrachloride	**10.9**		1.0	0.10	
108-90-7	Chlorobenzene	**5.49**		1.0	0.10	
75-00-3	Chloroethane	**5.13**		1.0	0.10	
67-66-3	Chloroform	**5.55**		1.0	0.10	
74-87-3	Chloromethane	**5.42**		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	**5.02**		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	**5.35**		1.0	0.12	
124-48-1	Dibromochloromethane	**5.17**		1.0	0.10	
100-41-4	Ethylbenzene	**5.60**		1.0	0.10	
87-68-3	Hexachlorobutadiene	**5.38**		1.0	0.10	
179601-23-1	m,p-Xylenes	**11.3**		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1600
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 13:14
Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	RQ1405715-05	**Basis:**	NA
Run Type:	Matrix Spike		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**5.05**		1.0	0.10	
95-47-6	o-Xylene	**5.53**		1.0	0.10	
100-42-5	Styrene	**5.36**		1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	**6.00**		1.0	0.10	
108-88-3	Toluene	**5.40**		1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	**5.43**		1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	**5.19**		1.0	0.10	
79-01-6	Trichloroethene (TCE)	**11.1**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	**5.60**		1.0	0.10	
75-01-4	Vinyl Chloride	**5.47**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	80-120	5/22/14 13:14	

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D Vial: 47
Acq On : 22 May 2014 1:14 pm Operator: D.Lipani
Sample : R1403523-023MS|1.0 RQ1405715-05 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 13:32 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	394683	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	316593	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	149063	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	126400	4.70	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 94.00%				
Target Compounds							Qvalue
2) Chloromethane	1.09	50	188442	5.42	ug/L		95
3) Vinyl Chloride	1.17	62	173717	5.47	ug/L		98
4) Bromomethane	1.34	94	80951	3.86	ug/L		93
5) Chloroethane	1.40	64	91844	5.13	ug/L		100
6) Trichlorofluoromethane	1.68	101	226743	5.60	ug/L		98
7) Acetone	1.79	43	~~477~~ 1820	~~0.26 ug/L~~	=		85
8) 1,1-Diclethene	1.97	96	119876	5.83	ug/L		87
9) Methylene Chloride	2.07	84	108718	5.05	ug/L		98
10) Carbon Disulfide	2.18	76	10707	0.13	ug/L		97
11) trans-1,2-Dichloroethene	2.54	96	137895	5.43	ug/L		97
12) 1,1-Diclethane	2.74	63	242748	5.13	ug/L		98
~~13) 2-Butanone~~	~~3.18~~	~~43~~	~~452~~	~~0.15 ug/L~~	#		~~92~~
14) cis-1,2-Dichloroethene	3.30	96	133634	5.02	ug/L		92
15) Bromochloromethane	3.47	128	43210	4.68	ug/L		94
16) Chloroform	3.53	83	244055	5.55	ug/L		94
17) 1,2-Dichloroethane	4.39	62	93641	4.85	ug/L	#	90
20) 1,1,1-Trichloroethane	4.51	97	213871	5.56	ug/L	#	92
21) Carbontetrachloride	5.08	117	355328	10.89	ug/L		97
22) Benzene	5.19	78	515768	5.50	ug/L		95
23) 1,2-Diclpropane	6.09	63	121443	5.50	ug/L		94
24) Trichloroethene	6.15	95	292098	11.05	ug/L		97
25) Bromodichloromethane	6.21	83	139999	5.42	ug/L		97
26) cis-1,3-Dichloropropene	7.05	75	139425	5.35	ug/L		98
28) trans-1,3-Dichloropropene	7.55	75	98592	5.19	ug/L		98
29) 1,1,2-Trichloroethane	7.66	97	56345	5.25	ug/L		97
30) Toluene	7.84	91	560455	5.40	ug/L		99
31) Dibromochloromethane	8.09	129	79598	5.17	ug/L		96
33) 1,2-Dibromoethane	8.31	107	53056	5.07	ug/L		98
34) Tetrachloroethene	8.50	166	160814	6.00	ug/L		96
35) Chlorobenzene	9.11	112	334379	5.49	ug/L		97
36) Ethylbenzene	9.32	91	646346	5.60	ug/L		100
37) (m+p)Xylene	9.51	106	488254	11.32	ug/L		93
38) Styrene	9.77	104	315225	5.36	ug/L		96
39) o-Xylene	9.82	106	229145	5.53	ug/L		92
40) 1,1,2,2-Tetrachloroethane	9.82	83	60465	5.07	ug/L		96
42) Bromoform	9.50	173	37911	4.70	ug/L	#	96
43) 1,3-Diclbenzene	11.14	146	251335	5.15	ug/L		97
44) 1,4-Diclbenzene	11.20	146	250662	5.37	ug/L		99
45) 1,2-Diclbenzene	11.47	146	198800	5.06	ug/L		99
46) 1,2-Dibromo-3-chloropropan	11.83	75	6771	4.27	ug/L		91
47) 1,2,4-Tcbenzene	12.90	180	108075	4.79	ug/L		99
48) Hexachlorobt	13.16	225	72901	5.38	ug/L		98

0.98m DL 5/28/14

~~13) 2-Butanone~~ - not a peak

(#) = qualifier out of range (m) = manual integration
L5010.D OLC1026.M Thu May 22 13:32:49 2014

00439

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D Vial: 47
Acq On : 22 May 2014 1:14 pm Operator: D.Lipani
Sample : R1403523-023MS|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 13:32 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

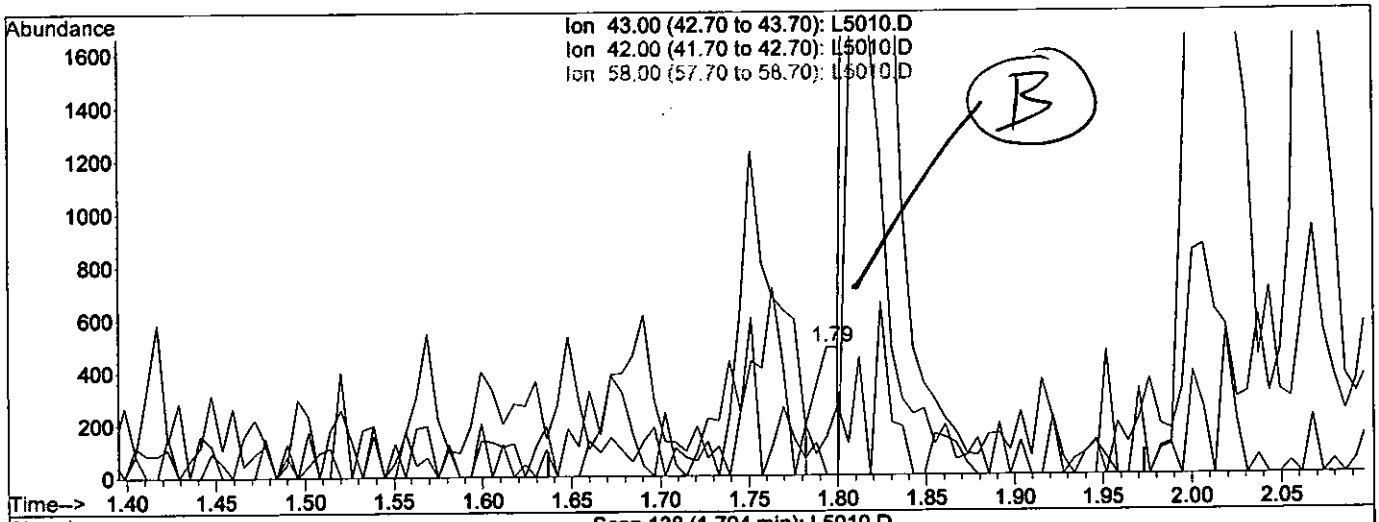
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49)	1,2,3-Tclbenzene	13.24	180	69607	4.82	ug/L	97

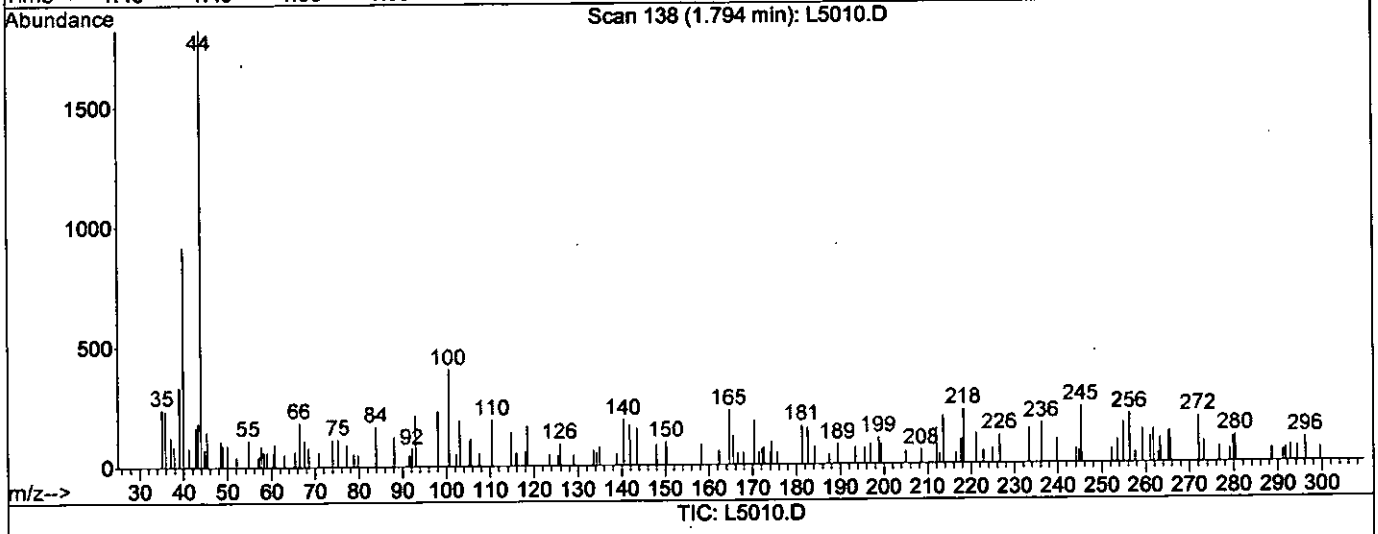
(#) = qualifier out of range (m) = manual integration
L5010.D OLC1026.M Thu May 22 13:32:50 2014

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D Vial: 47
Acq On : 22 May 2014 1:14 pm Operator: D.Lipani
Sample : R1403523-023MS|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 13:32 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration





TIC: L5010.D

(7) Acetone

1.79min 0.26ug/L

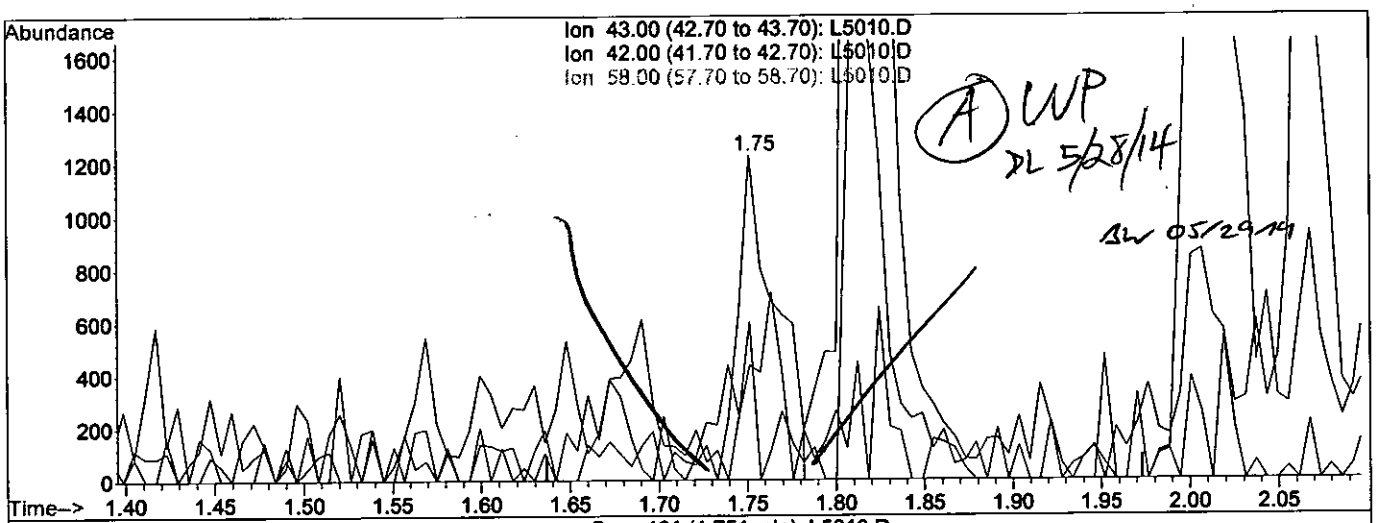
response 477

Ion	Exp%	Act%
43.00	100	100
42.00	14.70	0.00
58.00	27.90	30.04
0.00	0.00	0.00

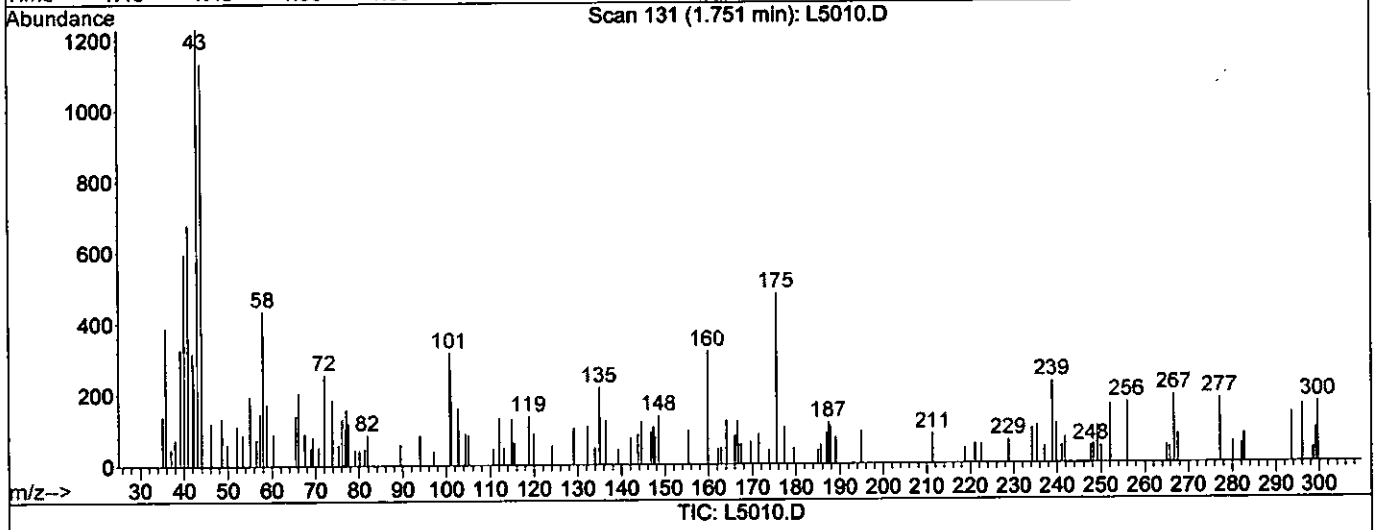
Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D Vial: 47
Acq On : 22 May 2014 1:14 pm Operator: D.Lipani
Sample : R1403523-023MS|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 28 16:06 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration



A UP DL 5/28/14 SW 05/29/14



(7) Acetone

1.75min 0.98ug/L m

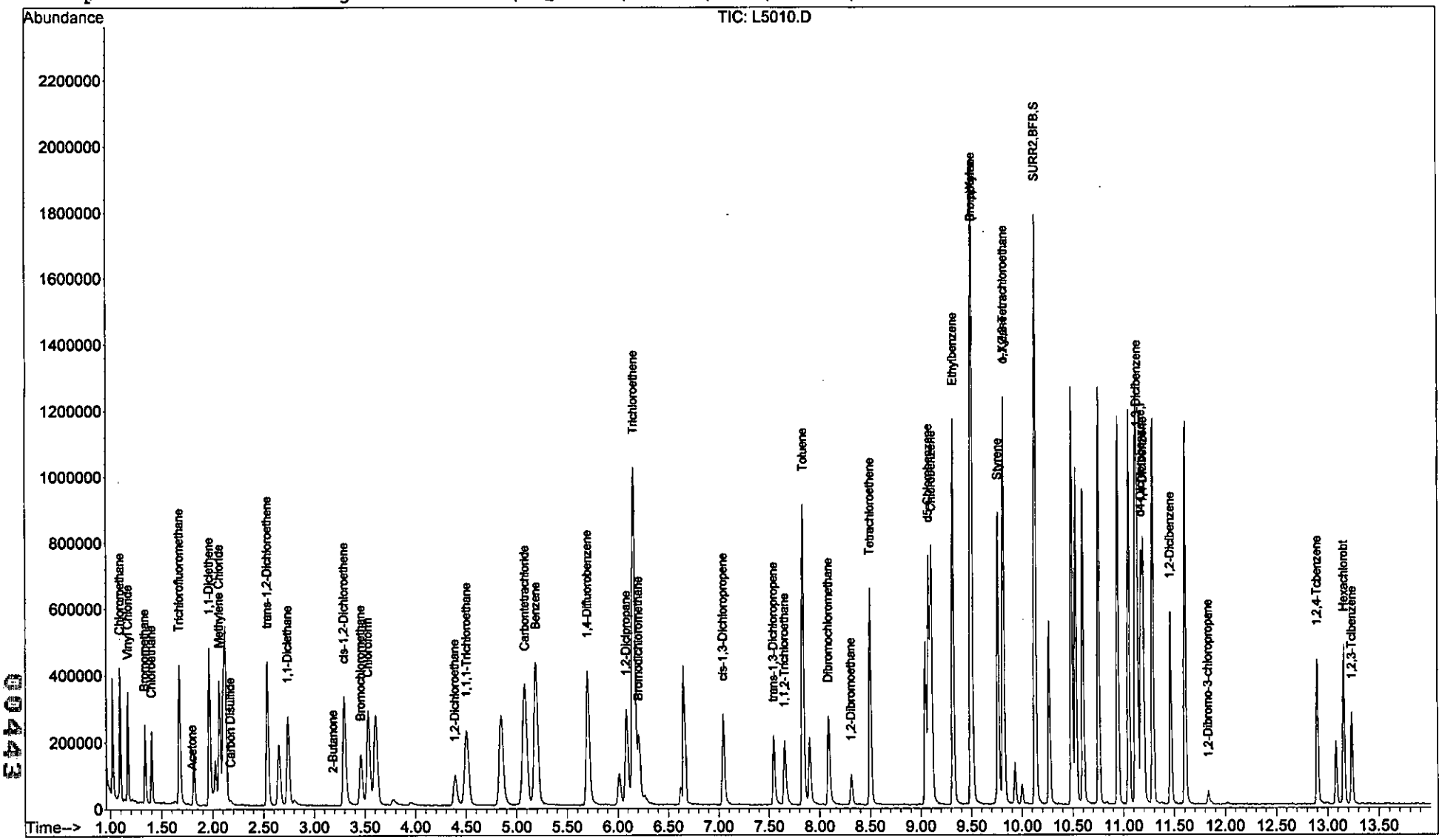
response 1820

Ion	Exp%	Act%
43.00	100	100
42.00	14.70	25.69
58.00	27.90	35.37
0.00	0.00	0.00

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5010.D Vial: 47
Acq On : 22 May 2014 1:14 pm Operator: D.Lipani
Sample : R1403523-023MS|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 13:32 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14
Date Analyzed: 5/22/14 13:50

Sample Name: M-27D
Lab Code: RQ1405715-06
Run Type: Duplicate Matrix Spike

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5011.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**5.37**		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	**4.48**		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	**5.12**		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**5.34**		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**6.03**		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	**4.84**		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	**4.98**		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	**4.27**		1.0	0.24	
106-93-4	1,2-Dibromoethane	**4.61**		1.0	0.15	
107-06-2	1,2-Dichloroethane	**5.07**		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	**5.14**		1.0	0.10	
78-87-5	1,2-Dichloropropane	**5.29**		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	**5.39**		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	**5.37**		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.1	
591-78-6	2-Hexanone	5.0	U	5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.95	
67-64-1	Acetone	**1.2**	J	5.0	1.1	
71-43-2	Benzene	**5.19**		1.0	0.10	
74-97-5	Bromochloromethane	**4.96**		1.0	0.15	
75-27-4	Bromodichloromethane	**5.03**		1.0	0.10	
75-25-2	Bromoform	**4.64**		1.0	0.15	
74-83-9	Bromomethane	**4.13**		1.0	0.23	
75-15-0	Carbon Disulfide	**0.16**	J	1.0	0.14	
56-23-5	Carbon Tetrachloride	**10.2**		1.0	0.10	
108-90-7	Chlorobenzene	**5.22**		1.0	0.10	
75-00-3	Chloroethane	**5.31**		1.0	0.10	
67-66-3	Chloroform	**5.81**		1.0	0.10	
74-87-3	Chloromethane	**5.44**		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	**5.17**		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	**5.11**		1.0	0.12	
124-48-1	Dibromochloromethane	**4.73**		1.0	0.10	
100-41-4	Ethylbenzene	**5.36**		1.0	0.10	
87-68-3	Hexachlorobutadiene	**5.35**		1.0	0.10	
179601-23-1	m,p-Xylenes	**10.8**		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1600
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 13:50
Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	RQ1405715-06	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5011.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**5.42**		1.0	0.10	
95-47-6	o-Xylene	**5.33**		1.0	0.10	
100-42-5	Styrene	**5.22**		1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	**5.64**		1.0	0.10	
108-88-3	Toluene	**5.22**		1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	**5.48**		1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	**4.93**		1.0	0.10	
79-01-6	Trichloroethene (TCE)	**10.8**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	**5.84**		1.0	0.10	
75-01-4	Vinyl Chloride	**5.45**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	5/22/14 13:50	

Quantitation Report (Not Reviewed)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5011.D Vial: 48
Acq On : 22 May 2014 1:50 pm RQ1405715-06 Operator: D.Lipani
Sample : R1403523-023MSD|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 14:09 2014 Quant Results File: OLC1026.RES

Quant Method : I:\ACQUDATA\M...\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D
DataAcq Meth : OLC1026

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	387078	5.00	ug/L		0.00
19) d5-Chlorobenzene	9.08	117	335305	5.00	ug/L		0.00
41) d4-Dichlorobenzene	11.18	152	150287	5.00	ug/L		0.00
System Monitoring Compounds							
18) SURR2,BFB	10.14	174	129397	4.91	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.20%				
10) Carbon Disulfide	2.18	76	13154 = 0.16m				
Target Compounds							Qvalue
2) Chloromethane	1.09	50	185566	5.44	ug/L		95
3) Vinyl Chloride	1.17	62	169707	5.45	ug/L		98
4) Bromomethane	1.34	94	85024	4.13	ug/L		93
5) Chloroethane	1.40	64	93153	5.31	ug/L		100
6) Trichlorofluoromethane	1.68	101	231737	5.84	ug/L		98
7) Acetone	1.75	43	2247	1.23	ug/L		62
8) 1,1-Diclethene	1.97	96	121604	6.03	ug/L		89
9) Methylene Chloride	2.07	84	114304	5.42	ug/L		91
11) trans-1,2-Dichloroethene	2.54	96	136359	5.48	ug/L		97
12) 1,1-Diclethane	2.74	63	248011	5.34	ug/L		97
~~13) 2-Butanone~~	~~3.19~~	~~43~~	~~407~~	~~0.14~~	~~ug/L~~	~~#~~	~~63~~
14) cis-1,2-Dichloroethene	3.30	96	135069	5.17	ug/L		92
15) Bromochloromethane	3.46	128	44888	4.96	ug/L	#	79
16) Chloroform	3.53	83	250422	5.81	ug/L		96
17) 1,2-Dichloroethane	4.38	62	96056	5.07	ug/L	#	91
20) 1,1,1-Trichloroethane	4.50	97	218683	5.37	ug/L		99
21) Carbontetrachloride	5.08	117	353212	10.22	ug/L		94
22) Benzene	5.19	78	515826	5.19	ug/L		94
23) 1,2-Diclpropane	6.09	63	123631	5.29	ug/L		98
24) Trichloroethene	6.16	95	302250	10.80	ug/L		95
25) Bromodichloromethane	6.21	83	137702	5.03	ug/L		99
26) cis-1,3-Dichloropropene	7.05	75	141073	5.11	ug/L		97
28) trans-1,3-Dichloropropene	7.55	75	99229	4.93	ug/L		96
29) 1,1,2-Trichloroethane	7.66	97	58098	5.12	ug/L		99
30) Toluene	7.84	91	574373	5.22	ug/L		100
31) Dibromochloromethane	8.09	129	77131	4.73	ug/L		100
33) 1,2-Dibromoethane	8.31	107	51149	4.61	ug/L		97
34) Tetrachloroethene	8.50	166	160139	5.64	ug/L		94
35) Chlorobenzene	9.11	112	336948	5.22	ug/L		98
36) Ethylbenzene	9.32	91	654857	5.36	ug/L		98
37) (m+p)Xylene	9.50	106	494621	10.83	ug/L		94
38) Styrene	9.77	104	325586	5.22	ug/L		98
39) o-Xylene	9.82	106	233946	5.33	ug/L		97
40) 1,1,2,2-Tetrachloroethane	9.81	83	56671	4.48	ug/L		100
42) Bromoform	9.50	173	37771	4.64	ug/L	#	93
43) 1,3-Diclbenzene	11.14	146	265145	5.39	ug/L		98
44) 1,4-Diclbenzene	11.20	146	252718	5.37	ug/L		98
45) 1,2-Diclbenzene	11.47	146	203416	5.14	ug/L		99
46) 1,2-Dibromo-3-chloropropan	11.83	75	6821	4.27	ug/L		90
47) 1,2,4-Tcbenzene	12.90	180	113151	4.98	ug/L		98
48) Hexachlorobt	13.16	225	73133	5.35	ug/L		97
49) 1,2,3-Tclbenzene	13.24	180	70488	4.84	ug/L		97

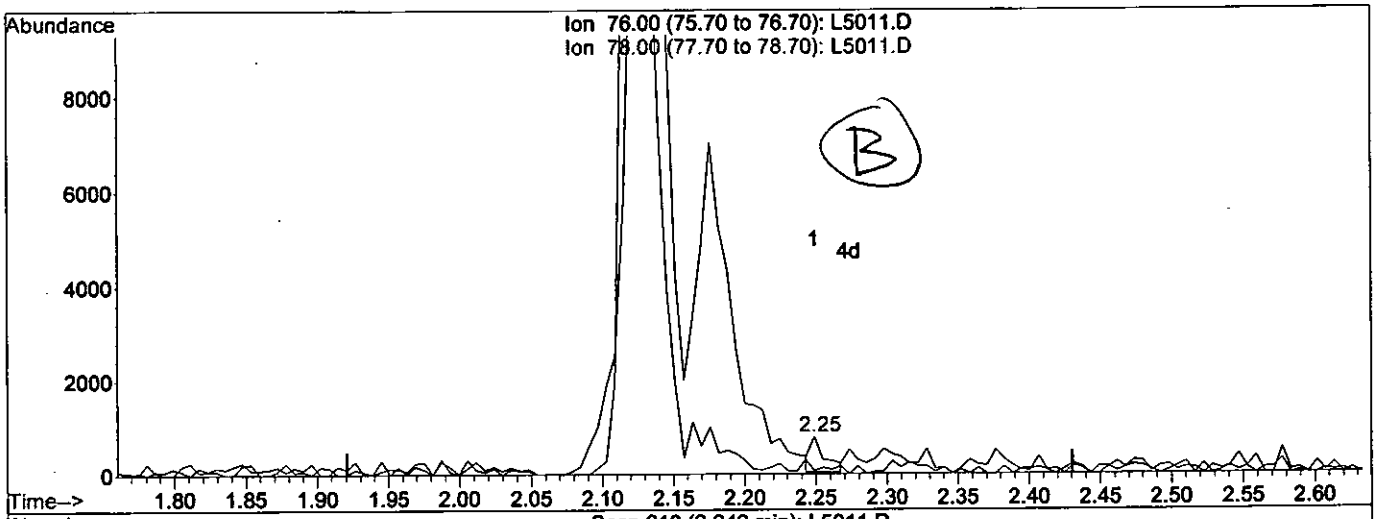
DL 5/28/14

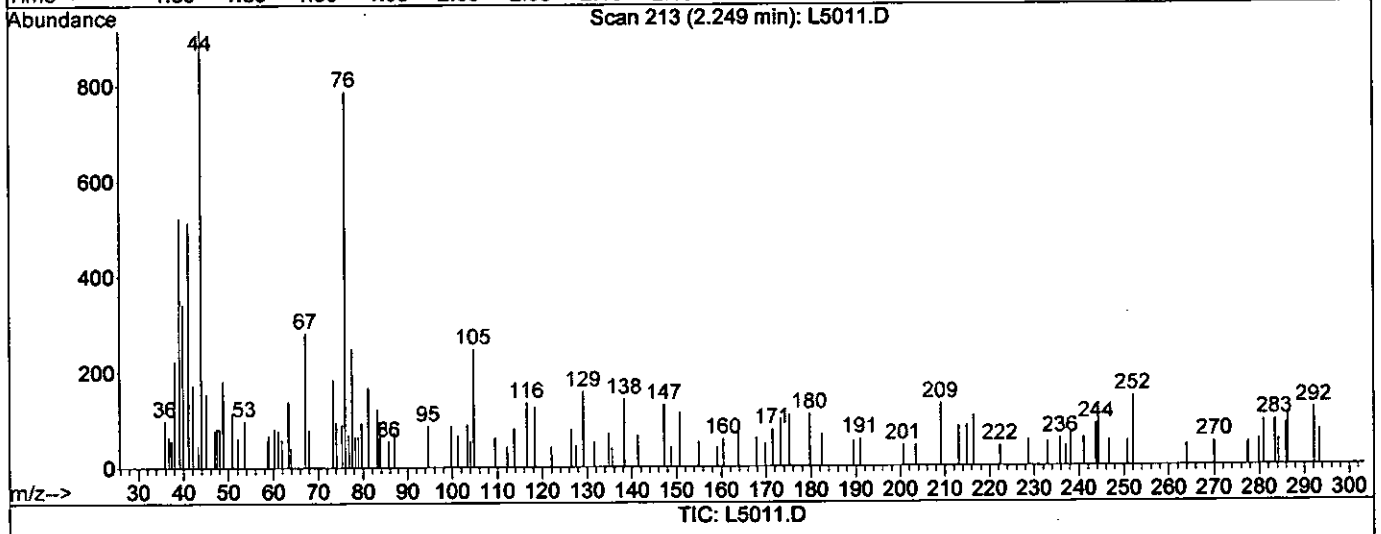
(#) = qualifier out of range (m) = manual integration
L5011.D OLC1026.M Thu May 22 14:09:08 2014

Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5011.D Vial: 48
Acq On : 22 May 2014 1:50 pm Operator: D.Lipani
Sample : R1403523-023MSD|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 14:09 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration





TIC: L5011.D

(10) Carbon Disulfide

2.25min 0.01ug/L

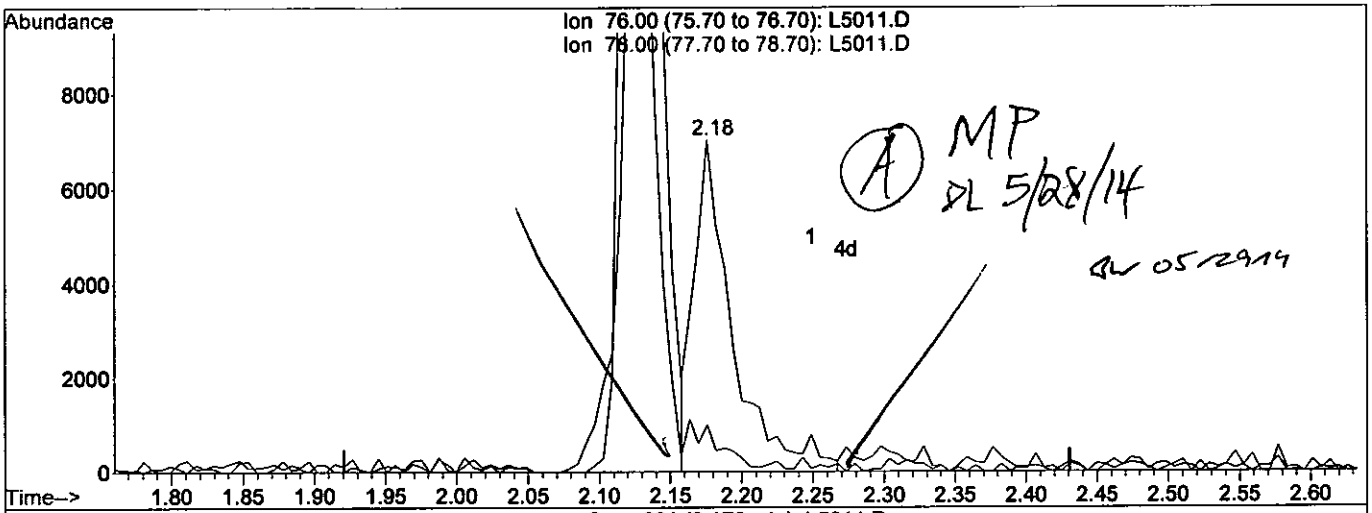
response 529

Ion	Exp%	Act%
76.00	100	100
78.00	8.80	8.25
0.00	0.00	0.00
0.00	0.00	0.00

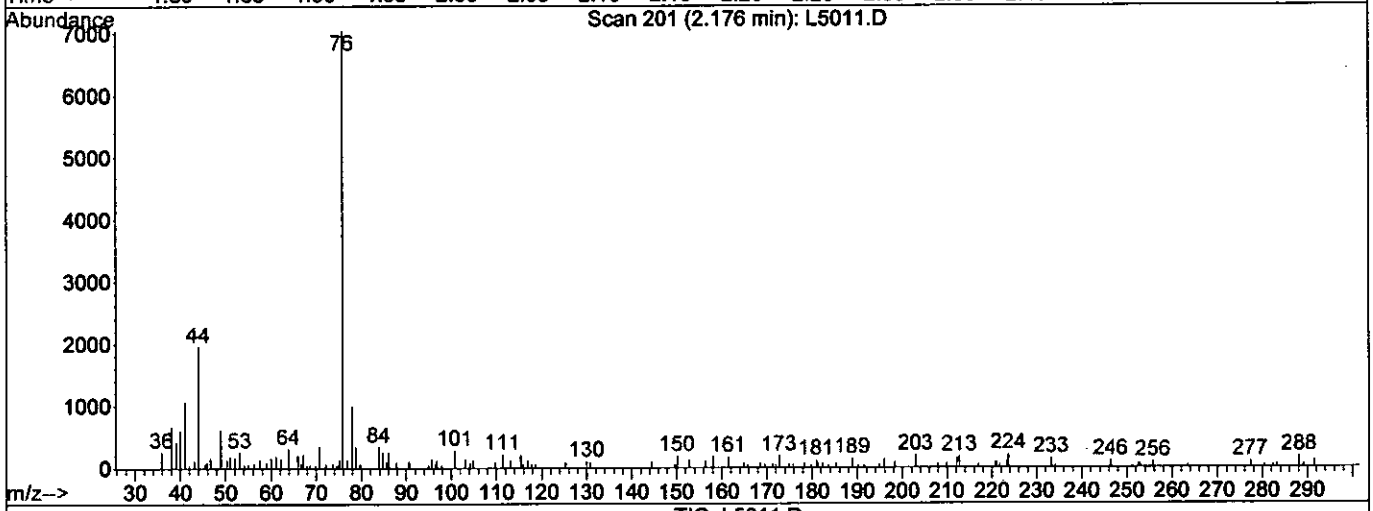
Quantitation Report (Qedit)

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5011.D Vial: 48
Acq On : 22 May 2014 1:50 pm Operator: D.Lipani
Sample : R1403523-023MSD|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 28 16:08 2014 Quant Results File: temp.res

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 19:34:09 2014
Response via : Single Level Calibration



A MP DL 5/28/14 DL 05/29/14



TIC: L5011.D

(10) Carbon Disulfide

2.18min 0.16ug/L m

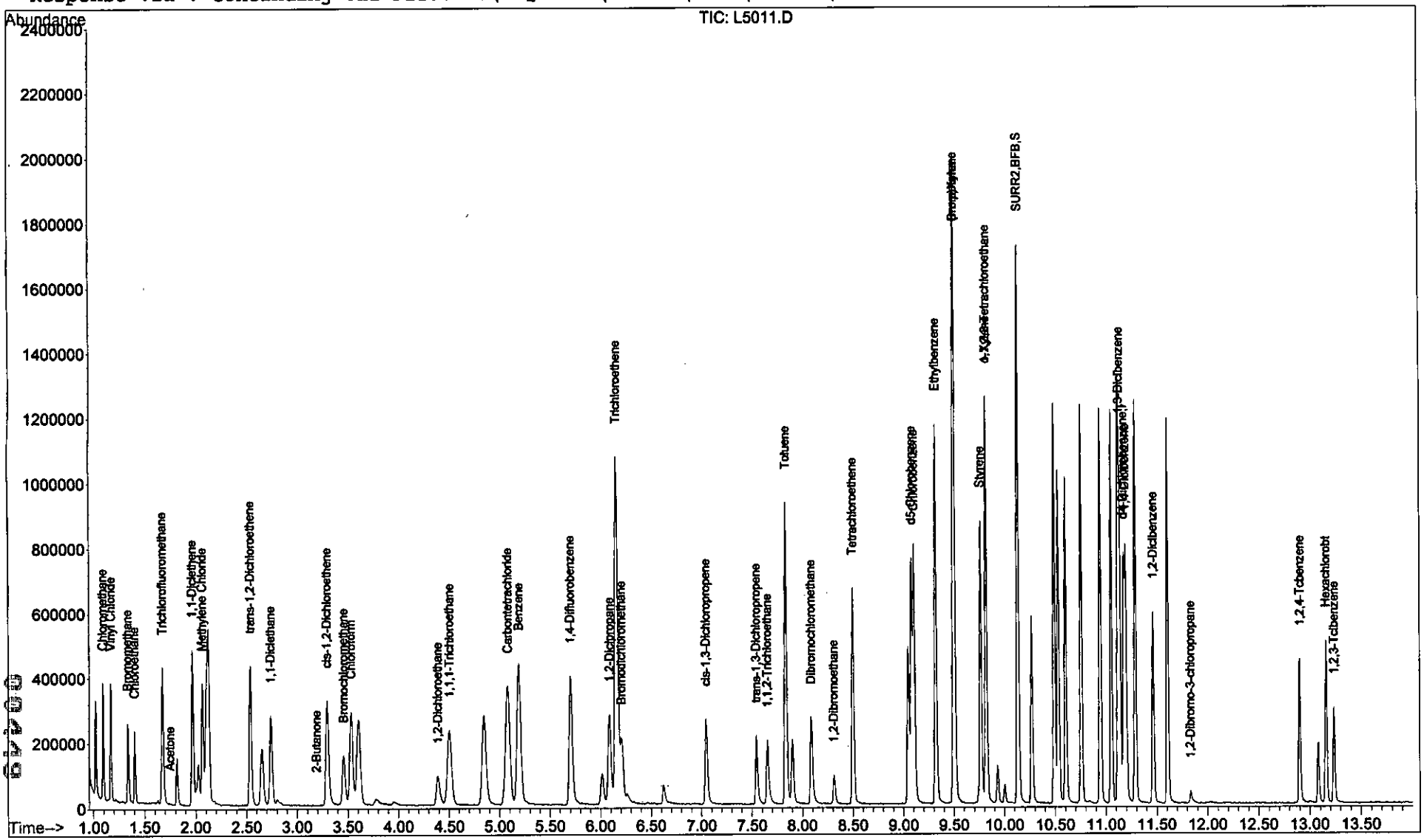
response 13154

Ion	Exp%	Act%
76.00	100	100
78.00	8.80	14.24#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : I:\ACQUDATA\MSVOA6\DATA\052114\L5011.D Vial: 48
Acq On : 22 May 2014 1:50 pm Operator: D.Lipani
Sample : R1403523-023MSD|1.0 Inst : MS#6
Misc : CB&I OLC 2.1 7042 T4 Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: May 22 14:09 2014 Quant Results File: OLC1026.RES

Method : I:\ACQUDATA\MSVOA6\METHODS\OLC1026.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Thu May 22 07:48:52 2014
Response via : Continuing Cal File: I:\ACQUDATA\MSVOA6\DATA\052114\L4993.D



Analysis: OLC2.1 Analyst: D. Kapan Tune Method: T102613.M

Date: 10/26/13 Data Path: j:\acqudata\msvoa6\DATA\102613\... Run Method: OLC1026.M

Instr. GCMS#6 LIMS Run#: ICAL

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK								L1134	Y	
2	Tune Check		4.0µl Surr/50mL DI → 25mL purged					tune	35	N	
3	Tune Check		" "		"		"		36	Y	
		I.S.25	COMB SURR SURR	KH HSL	Kets	Org/G.	T/G				
		25	25 25 500	STD 500	1000	500	10				
4	Inst. Blk	—	— — —	— —	—	—	50		L1137	Y	← mistake - no file L1138.D DL 10-26-13
5	VSTD001/005	(8.5µl vial)	— 2.0µl —	2.0µl —	—	—	10µl		38	Y	L1139 (into 50mL DI
6	002/010		— 4.0µl —	4.0µl —	—	—	—		L1140	Y	" " "
7	005/025	—	(8.5µl/vial) — —	40µl —	—	2.0µl	—		41	Y	(into 200mL DI
8	010/050	(8.5µl	— — 2.0µl	— 2.0µl	4.0µl	2.0µl	—		42	Y	(into 100mL DI
9	025/125	vial)	— — 5.0µl	5.0µl	10µl	5.0µl	—		43	Y	" " "
10	BLK								44	Y	
11	ICV								45	Y	through bromomethane
12	Tune Check								46	Y	
13	VSTD								47	Y	
14	LCS/ICV#2								48	Y	(ICV#2 for bromometh.)
15	DLCS								49	Y	
16	VBLK								L1150	N	
17	VBLK								51	Y	
18	R1307796-001	1.0		[illegible]	7042	IV	-1	≤2	52	Y	
19	-002	1.0					-1	≤2	53	Y	
20	-003	1.0					-1	≤2	54	Y	
21	-004	1.0					-1	≤2	55	Y	
22	-005	1.0					-1	≤2	56	Y	
23	-006	1.0					-1	≤2	57	Y	
24	-007	1.0					-1	≤2	58	Y	
25	-008	2.5	(20mL/50mL)				-1	≤2	59	Y	
26	-009	1.0					-1	≤2	L1160	Y	
27	-010	1.0					-1	≤2	61	Y	
28	-011	1.0					-1	≤2	62	Y	
29	-012	1.0					-1	≤2	63	Y	
30	-013	1.0					-1	≤2	64	Y	

All samples = 42.5 mL + 8.5 uL combined IS/Surr. 25 mL purged - except used I.S.25 where noted!

Primary TG 500 63353 2.0µl / per vial

Primary KH : 63638 —

Primary HSL 500 63637 2.0µl

Primary Kets 1000 63636 4.0µl / 200mL DI = VSTD P.M. run

Primary :

Secondary TG : 63394 2.0µl / 200mL DI = ICV.

Secondary HSL : 63524 5.0µl

Secondary :

Secondary :

Secondary TG : 63394 2.0µl/200mL DI = LCS.

Combined IS/Surr 25 : 63634

Surrogate 25 = 63635, 500PPM = 630

Internal Std 25 : 63687

Analysis: OLC 2.1 Analyst: R. Kipani Tune Method: T102613.M

Date: 05/21/14 Run#1 Data Path: j:\acqudata\msvoa6\DATA\052114\... Run Method: OLC1026.M

Instr. GCMS#6 LIMS Run#: 393569

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK								L4965	Y	
2	Tune Check		4.0µl Surr 25/50mL DI for 25mL purged					Tune	66	N	
3	Tune Check		" " " "					"	67	N	
		Mods	to tune file: Repeller 20.24 to 20.57								
4	Tune Check		shot as above, after mods.						L4968	N	
5	Tune Check		" " " "						69	Y	
6	VSTD								L4970	Y	
7	LCS								71	Y	
8	VBLK								72	N	
9	VBLK								73	Y	
10	R1403523-002	1.0		[redacted]	7042	IV	-1	<2	74	(Y)	rpt Vz
11	-003	1.0					-1	<2	75	Y	
12	-017	1.0					-1	<2	76	Y	
13	-005	1.0					-1	<2	77	Y	
14	-004	1.0					-1	<2	78	Y	
15	-006	1.0					-1	<2	79	Y	
16	-007	1.0					-1	<2	L4980	Y	
17	-008	1.0					-1	<2	81	Y	
18	-009	1.0					-1	<2	82	Y	
19	-010	1.0	EE DL 5/21/14				-1	<2	83	Y	
20	-011	1.0					-1	<2	84	Y	DL 5/22/14
21	-001	12.5	(20mL/50mL)				-1	<2	85	Y	
22	-002	2.0	(25mL/50mL)				-2	<2	86	YN	DL somewhat weak, bubbling occurred during pour - vft Vz
23	MDL v = 0.3ppb	→	① 10µl each 70523, 70460 to 1.0mL MeOH				—	—	87	Y	
24	R1403523-017MS	1.0	② 5.0µl mix/50mL DI				-2	<2	88	Y	
25	-017MSD	1.0	3.0µl DL 5/21/14				-3	<2	89	Y	
	EOD DL 5-21-14										

All samples = 42.5 mL + 8.5 uL combined IS/Surr. 25 mL purged

Primary TG : 70523 2.0µl

Primary HSL : 70460 2.0µl / 200mL DI = VSTD.

Primary kets : 70773 8.0µl

Primary :

Primary :

Secondary TG : 70360 2.0µl/200mL DI = LCS

Secondary :

Secondary : also

Secondary : → ① 50µl/1.0mL MeOH

Secondary : ② 8.5µl mix into full vials samp. = MS/MSD.

Combined IS/Surr 25 : 70748

Surrogate 25 : 70763

Internal Std :

00451

Analysis: OLC2.1 Analyst: D. Lipfert Tune Method: T102613.M

Date: 05/21/14 Run#2 Data Path: j:\acqudata\msvoa6\DATA\052114... Run Method: OLC1026.M

Instr. GCMS#6 LIMS Run#: 393678

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
26	Blk		EE DL 5/21/14						L4990	Y	
27	Tune Check		~~2.0µl 4.0µl Sum/~~ 50mL DI → 25mL purged						91	Y	
28	Tune Check		"	"	"			Tune	92	—	not checked
29	VSTD								93	Y	
30	LCS								94	Y	
31	VBLK1								95	N	
32	VBLK								96	Y	
33	VBLK								97	Y	
34	R1403523-012	1.0		[redacted]	7042	IV	-1	<2	98	Y	
35	-014	1.0					-1	<2	99	Y	
36	-015	1.0					-1	<2	L5000	Y	
37	-016	1.0					-1	<2	01	Y	
38	-018	1.0					-1	<2	02	Y	
39	-019	1.0					-1	<2	03	Y	
40	-020	1.0					-1	<2	04	Y	
41	-021	1.0					-1	<2	05	Y	
42	-022	1.0					-1	<2	06	Y	
43	-023	1.0					-1	<2	07	Y	
44	-024	1.0					-1	<2	08	Y	
45	-025	1.0					-1	<2	09	Y	
46	-023MS	1.0					-2	<2	L5010	Y	
47	-023MSD	1.0					-3	<2	11	Y	
	EOD DL 5-22-14										

All samples = 42.5 mL + 8.5 uL combined IS/Surr. 25 mL purged

Primary TG : 70523 2.0µl / 200mL DI = VSTD.

Primary HSL : 70460 2.0µl

Primary kets : 70773 8.0µl

Primary :

Primary :

Secondary TG : 70360 2.0µl/200mL DI = LCS.

Secondary :

Secondary : also

Secondary : → ① 50µl/1.0mL MeOH

Secondary : ② 8.5µl mix into full vials samp. = MS/MSD.

Combined IS/Surr 25 : 70748

Surrogate 25 : 70763

Internal Std :

DL 5/22/14

Analysis: OLC2.1 Analyst: D. Lipman Tune Method: FDT102613.M

Date: 05/22/14 Data Path: j:\acqudata\msvoa6\DATA\052214\... Run Method: OLC1026.M

Instr. GCMS#6 LIMS Run#: 393854

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
1	Blk								L5012	Y	
2	Tune Check		4.0µl Surr 25/50mL DI → 25mL purged						13	N	
3	Tune Check								14	N	
		Mods	to tune: AmuOffs 197 to 198 to narrow widths								
4	Tune Check		prep'd as above, after mods...						L5015	N	
5	Tune Check								16	N	
		Mods	to Tune: Repeller 20.57 to 20.91, EntOffs 18.07						to 17.57		-DL 5-22-14 also EM ↓ 1541 to 1529
6	Tune Check		as above						L5017	N	
7	Tune Check								18	N	
		Mods	to Tune Repeller 20.91 to 21.41, AmuOffs back to 197								
8	Tune Check		as above						L5019	Y	
9	VSTD								L5020	Y	two exceptions
10	LCS								21	Y	
11	DLCS								22	Y	
12	VBLK								23	N	
13	VBLK								24	O.K.	
14	VBLK								25	Y	
15	R1403523-002	2.0	(25mL/50mL)	[redacted]	7042	IV	-2	<2	26	Y	= DL
16	↓ -026	1.0		↓	↓	↓	-1	<2	27	Y	
17	↓ -013	1.0	(C.B.)	↓	↓	↓	-1	<2	28	Y	
	EOD DL 5-22-14										

All samples = (42.5 mL / vial) + 8.5 uL combined IS/Surr. 25 mL purged

Primary TG: 70523 2.0µl

Primary HSL: 70460 2.0µl / 200mL DI = VSTD.

Primary kets: 70773 8.0µl

Primary:

Primary:

Secondary TG: 70360 2.0µl/200mL DI

Secondary:

Secondary: = LCS/DLCS.

Secondary:

Secondary:

Combined IS/Surr 25: 70748

Surrogate 25: 70763

Internal Std:

ALS Environmental

RSK 175
QC SUMMARY

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/19/14

Matrix Spike Summary
Dissolved Gases by GC/FID

Sample Name: M-26D
Lab Code: R1403523-017

Units: µg/L
Basis: NA

Analytical Method: RSK 175

Analyte Name	Sample Result	M-26DMS Matrix Spike RQ1405270-03 Result	Spike Amount	% Rec	M-26DDMS Duplicate Matrix Spike RQ1405270-04 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ethane	ND	49.3	52.0	95	48.8	52.0	94	56 - 156	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/20/14

Matrix Spike Summary
Dissolved Gases by GC/FID

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Analytical Method: RSK 175

Analyte Name	Sample Result	M-27DMS Matrix Spike RQ1405335-03 Result	Spike Amount	% Rec	M-27DDMS Duplicate Matrix Spike RQ1405335-04 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ethane	ND	46.7	52.0	90	47.6	52.0	91	56 - 156	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/19/14

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 393120

Analyte Name	Lab Control Sample RQ1405270-02 Result	Spike Amount	% Rec	% Rec Limits
Ethane	28.7	26.1	110	78 - 134

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/20/14

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 393211

Analyte Name	Lab Control Sample RQ1405335-02 Result	Spike Amount	% Rec	% Rec Limits
Ethane	26.5	26.1	102	78 - 134

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Analyzed:**	5/19/14 10:38
Sample Matrix:	Water		

Method Blank Summary
Dissolved Gases by GC/FID

Sample Name:	Method Blank	**Instrument ID:**	R-GC-02
Lab Code:	RQ1405270-01	**File ID:**	1002.run
Analytical Method:	RSK 175		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1405270-02	1003.run	5/19/14 10:48
M-25D	R1403523-001	1004.run	5/19/14 11:00
M-24DR	R1403523-003	1006.run	5/19/14 11:20
DGC-3S	R1403523-004	1007.run	5/19/14 11:31
DGC-4S	R1403523-005	1008.run	5/19/14 11:42
SW-A	R1403523-006	1009.run	5/19/14 11:57
SW-G	R1403523-007	1010.run	5/19/14 12:07
SW-E	R1403523-008	1011.run	5/19/14 12:17
SW-F	R1403523-009	1012.run	5/19/14 12:30
SW-B	R1403523-010	1013.run	5/19/14 12:39
SW-D	R1403523-011	1015.run	5/19/14 13:01
10S	R1403523-014	1016.run	5/19/14 13:11
M-29D	R1403523-002	1016.run	5/19/14 13:11
M-28S	R1403523-015	1017.run	5/19/14 13:20
11D	R1403523-016	1018.run	5/19/14 13:30
M-26D	R1403523-017	1019.run	5/19/14 13:41
M-26DMS	RQ1405270-03	1020.run	5/19/14 13:51
M-26DDMS	RQ1405270-04	1021.run	5/19/14 14:01
M-26S	R1403523-018	1022.run	5/19/14 14:11
MW-1	R1403523-019	1023.run	5/19/14 14:20
MW-4	R1403523-020	1024.run	5/19/14 14:33

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/20/14 09:14

Method Blank Summary
Dissolved Gases by GC/FID

Sample Name: Method Blank
Lab Code: RQ1405335-01
Instrument ID: R-GC-02
File ID: 1002.run

Analytical Method: RSK 175

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1405335-02	1003.run	5/20/14 09:24
13S	R1403523-021	1004.run	5/20/14 09:34
13D	R1403523-022	1005.run	5/20/14 09:44
M-27D	R1403523-023	1006.run	5/20/14 09:54
M-27DMS	RQ1405335-03	1007.run	5/20/14 10:04
M-27DDMS	RQ1405335-04	1008.run	5/20/14 10:14
DUP-1	R1403523-025	1009.run	5/20/14 10:24
DUP-2	R1403523-026	1010.run	5/20/14 10:34

ALS Environmental

RSK 175
SAMPLE DATA

ALS Environmental - Rochester, NY
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0845
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:00
Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1004.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1004.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-001, 1

JC 5/19/14

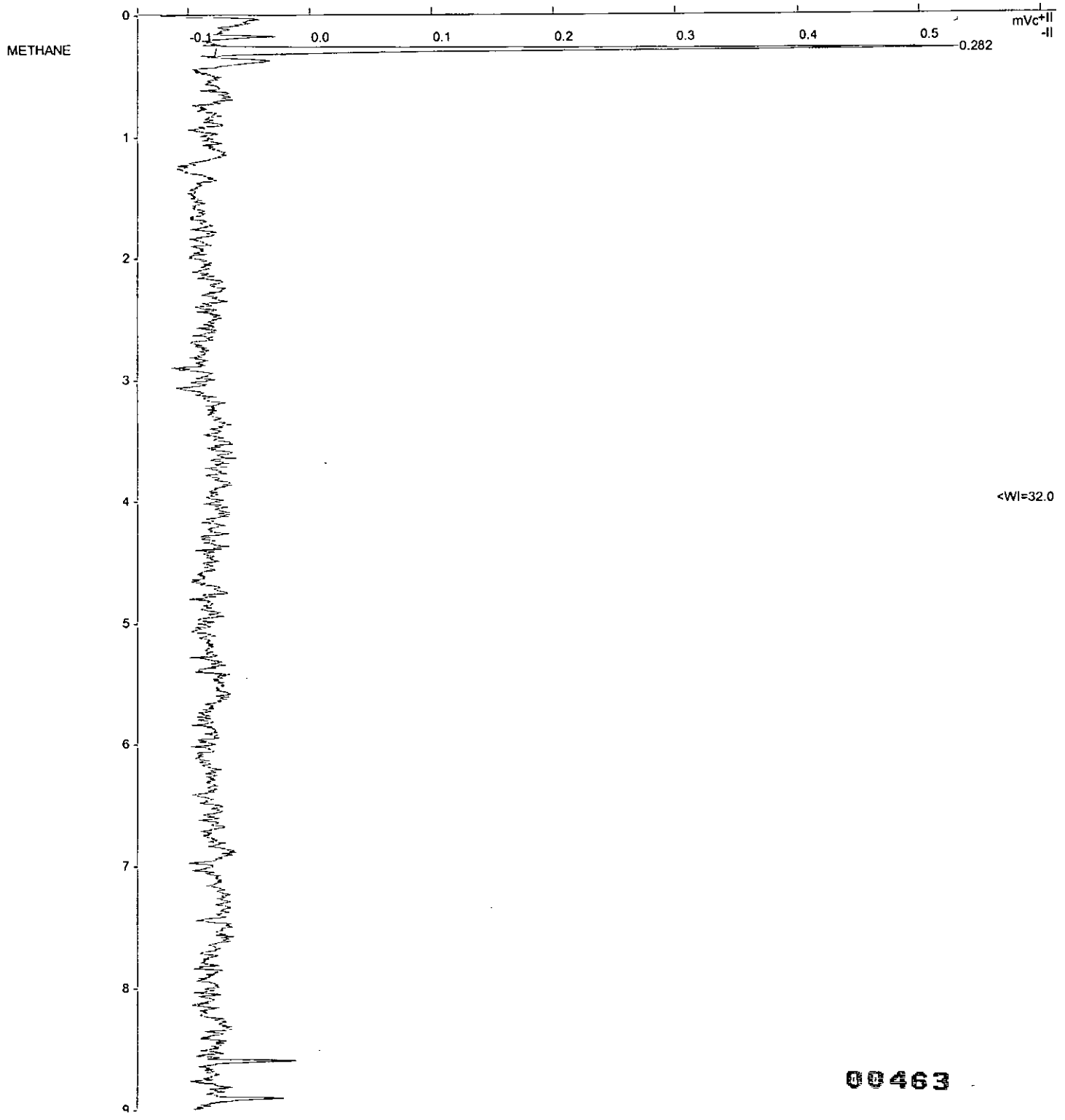
Injection Date: 5/19/2014 11:00 AM Calculation Date: 5/19/2014 11:09 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 3 Zero Offset = 19%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00463

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1004.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-001, 1

Injection Date: 5/19/2014 11:00 AM Calculation Date: 5/19/2014 11:09 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.145	0.282	0.003	1094	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.145		0.003	1094			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -102 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 20 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0930
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 13:11
Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	I016.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1005.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-002, 1

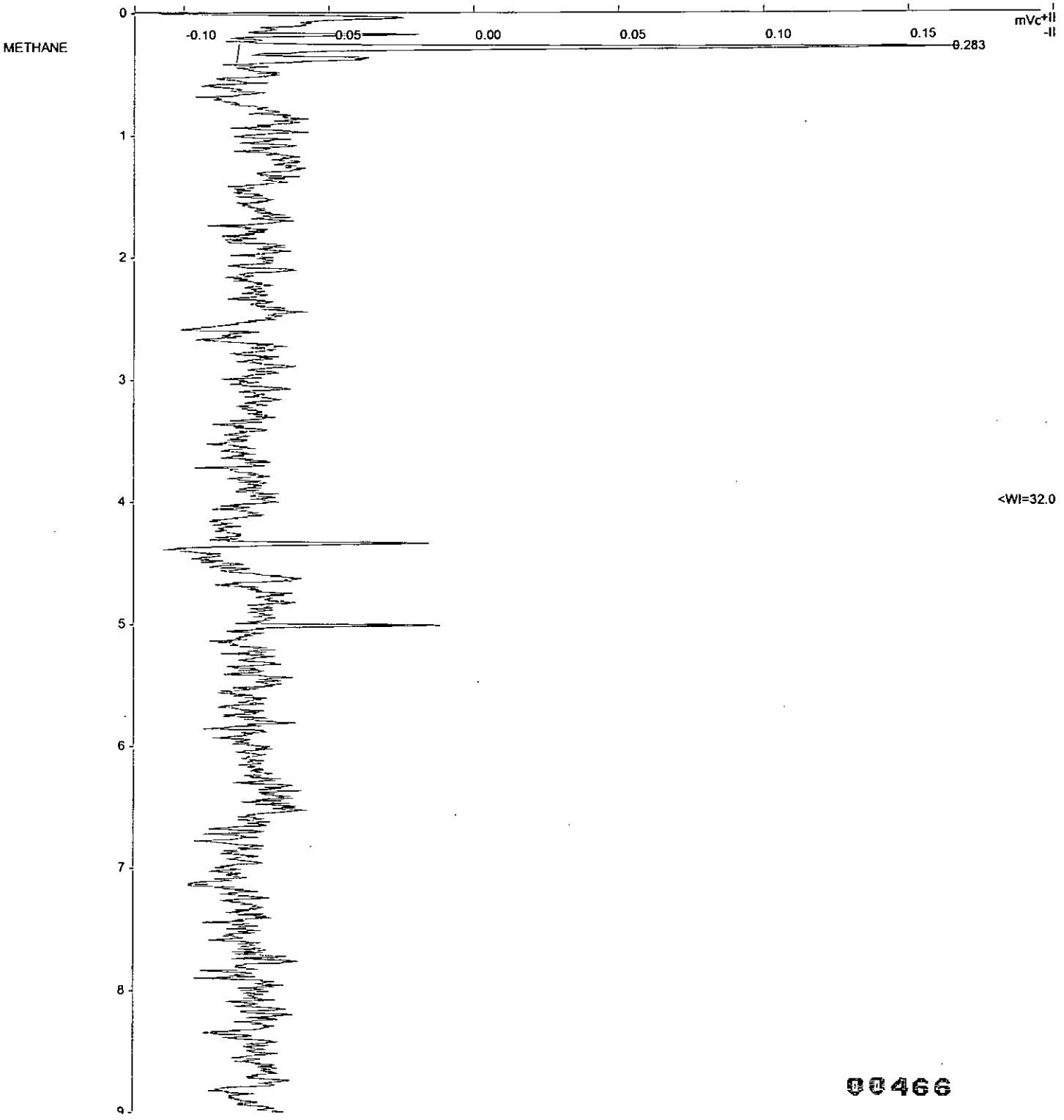
Injection Date: 5/19/2014 11:11 AM Calculation Date: 5/19/2014 11:20 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 1 Zero Offset = 47%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00466

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1005.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-002, 1

Injection Date: 5/19/2014 11:11 AM Calculation Date: 5/19/2014 11:20 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.083	0.283	0.004	624	BB	1.7	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.083		0.004	624			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -78 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 19 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1020
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:20
Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1006.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1006.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-003, 1

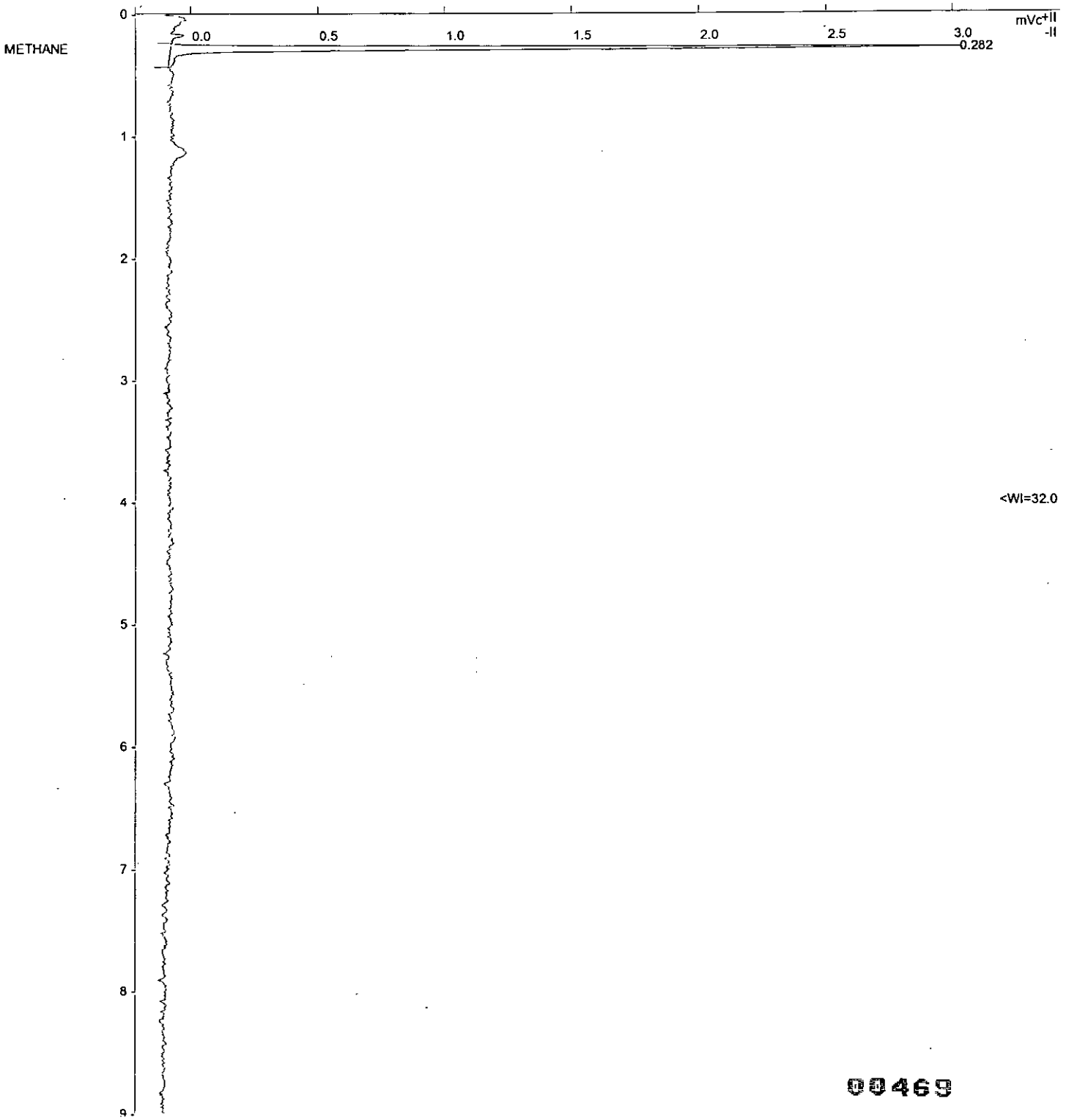
Injection Date: 5/19/2014 11:20 AM Calculation Date: 5/19/2014 11:30 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 14 Zero Offset = 6%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00469

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1006.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-003, 1

Injection Date: 5/19/2014 11:20 AM Calculation Date: 5/19/2014 11:30 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.748	0.282	0.003	5651	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.748		0.003	5651			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -72 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 32 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1100
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:31
Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1007.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1007.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-004, 1

JC 5/19/14

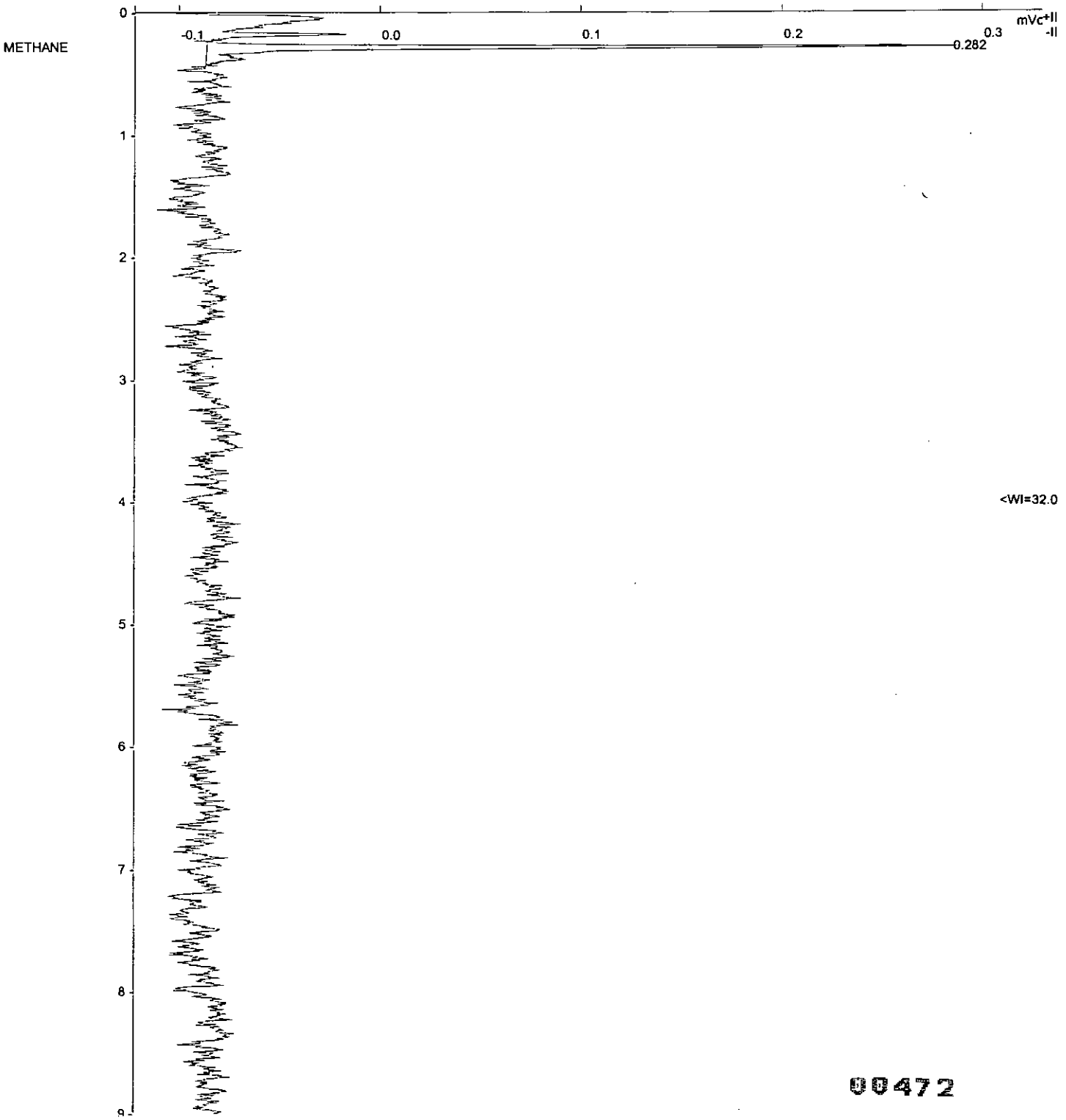
Injection Date: 5/19/2014 11:31 AM Calculation Date: 5/19/2014 11:40 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 1 Zero Offset = 49%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00472

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1007.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-004, 1

Injection Date: 5/19/2014 11:31 AM Calculation Date: 5/19/2014 11:40 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.096	0.282	0.003	728	BB	1.5	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.096		0.003	728			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -83 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 22 microVolts

Manual injection

****

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1145
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:42
Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1008.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1008.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-005, 1

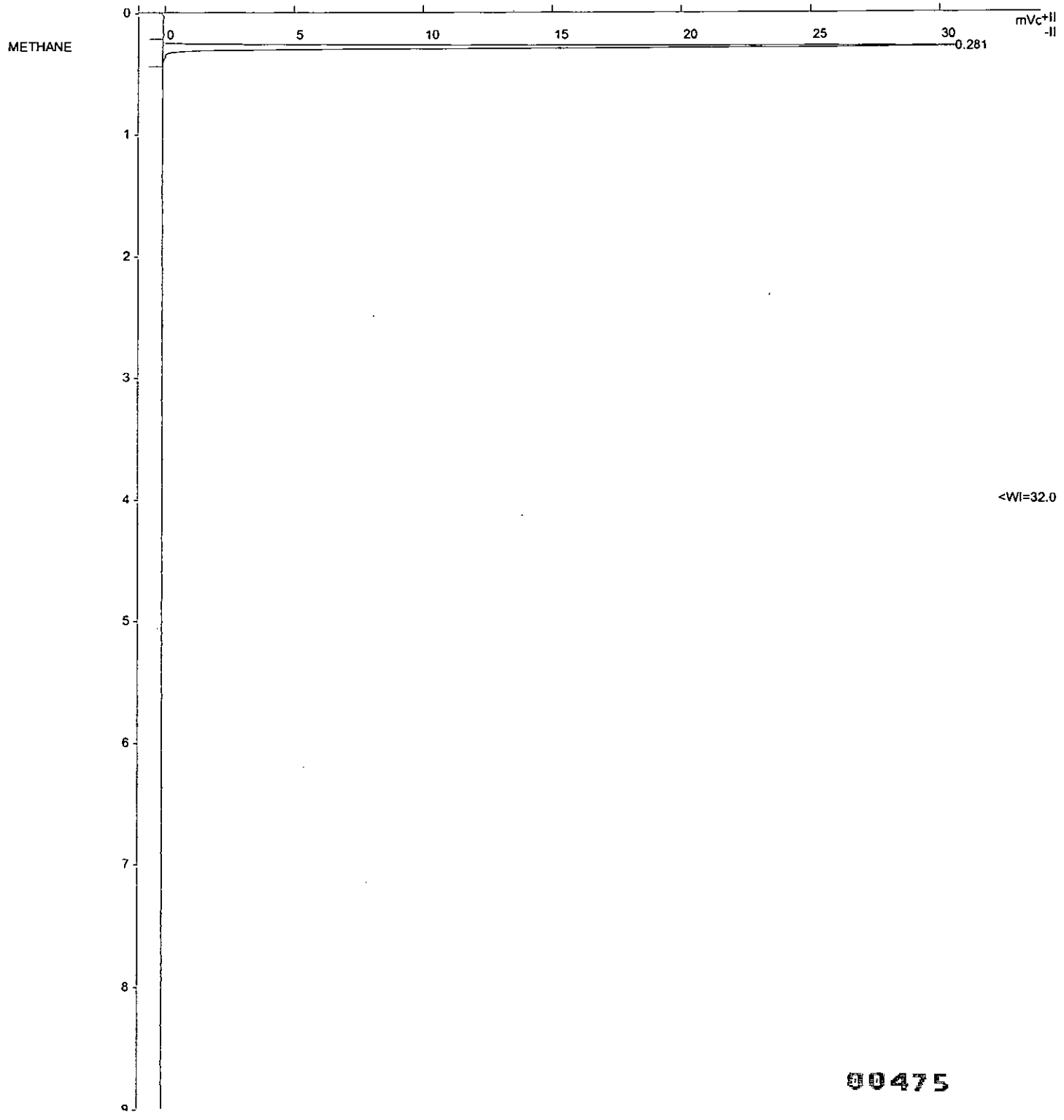
Injection Date: 5/19/2014 11:42 AM Calculation Date: 5/19/2014 11:51 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 146 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00475

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1008.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-005, 1

Injection Date: 5/19/2014 11:42 AM Calculation Date: 5/19/2014 11:51 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	6.782	0.281	0.002	51214	BB	1.5	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	6.782		0.002	51214			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -102 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 28 microVolts

Manual injection

****

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1215
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 11:57
Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1009.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1009.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-006, 1

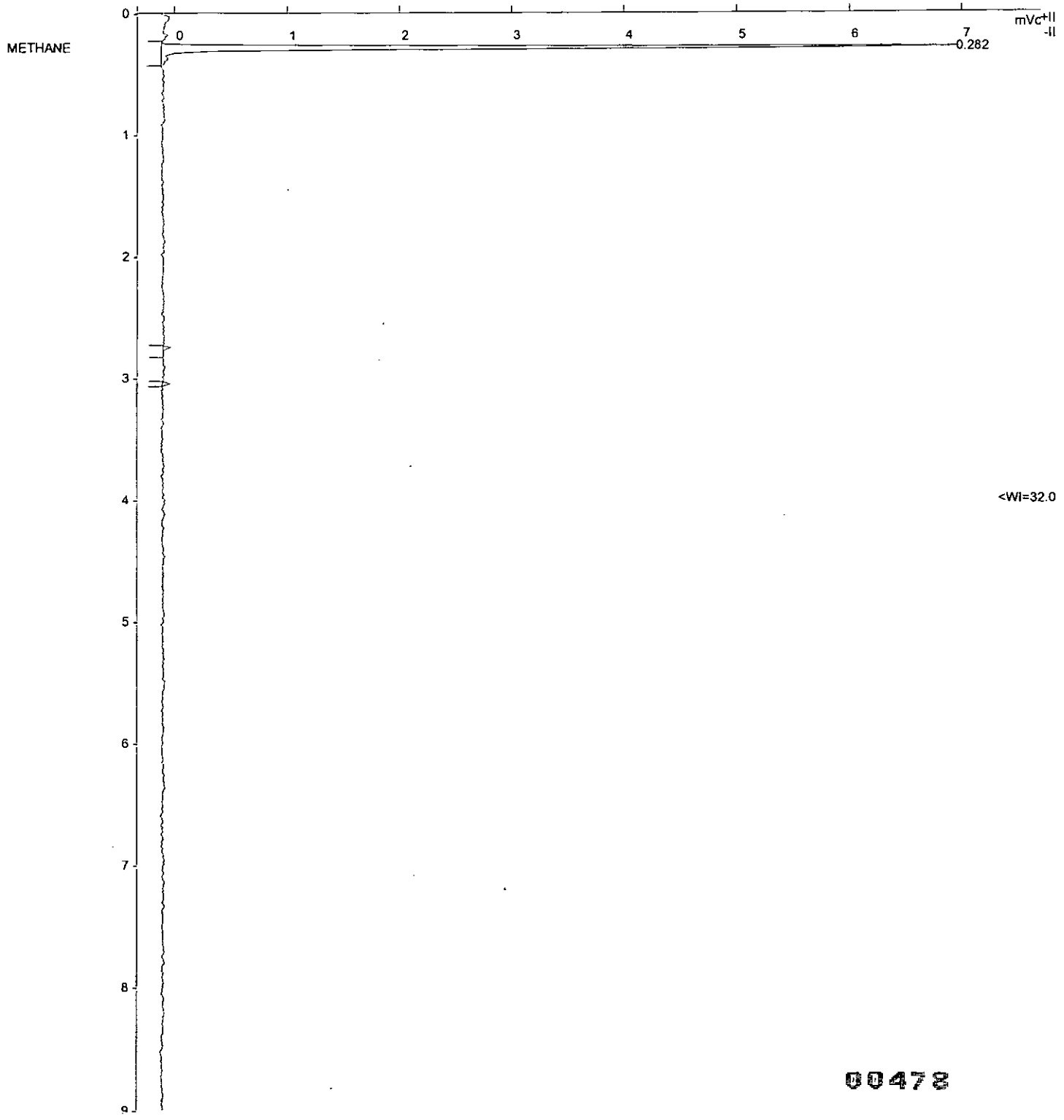
Injection Date: 5/19/2014 11:57 AM Calculation Date: 5/19/2014 12:06 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 33 Zero Offset = 4%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00478

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1009.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-006, 1

Injection Date: 5/19/2014 11:57 AM Calculation Date: 5/19/2014 12:06 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A
Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	1.642	0.282	0.003	12400	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	1.642		0.003	12400			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 3 Rejected Peaks: 2 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -105 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 21 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1300
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 12:07
Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1010.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1010.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R11403523-007, 1

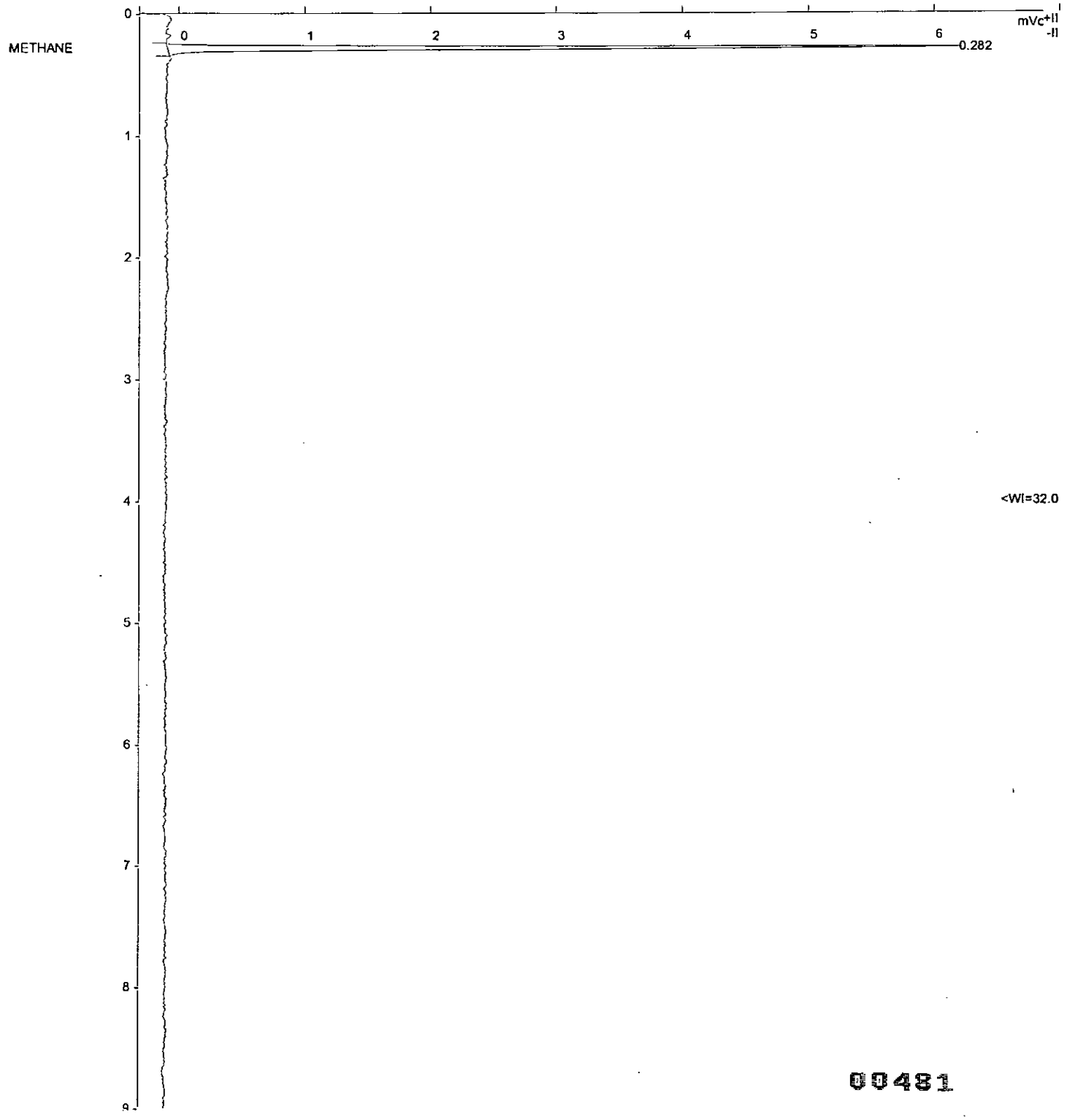
Injection Date: 5/19/2014 12:07 PM Calculation Date: 5/19/2014 12:16 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 30 Zero Offset = 4%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00481

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1010.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R11403523-007, 1

Injection Date: 5/19/2014 12:07 PM Calculation Date: 5/19/2014 12:16 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	1.411	0.282	0.003	10654	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	1.411		0.003	10654			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -99 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 21 microVolts

Manual injection

****

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1330
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 12:17
Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1011.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1011.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-008, 1

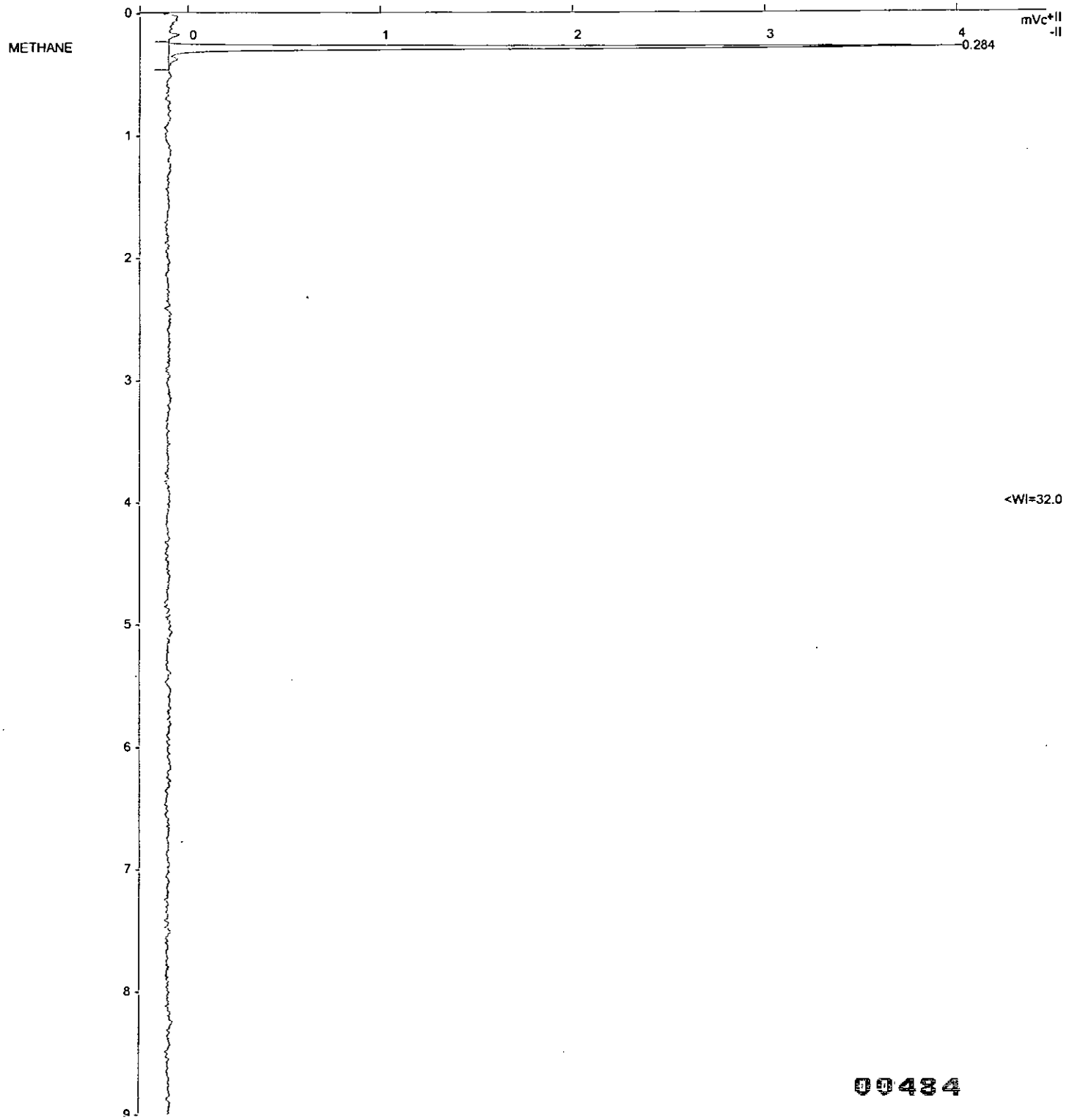
Injection Date: 5/19/2014 12:17 PM Calculation Date: 5/19/2014 12:26 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 19 Zero Offset = 5%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00484

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1011.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-008, 1

Injection Date: 5/19/2014 12:17 PM Calculation Date: 5/19/2014 12:26 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A
Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.969	0.284	0.005	7314	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.969		0.005	7314			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -96 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 25 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1345
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 12:30
Sample Name:	SW-F	**Units:**	µg/L
Lab Code:	R1403523-009	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1012.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1012.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-009, 1

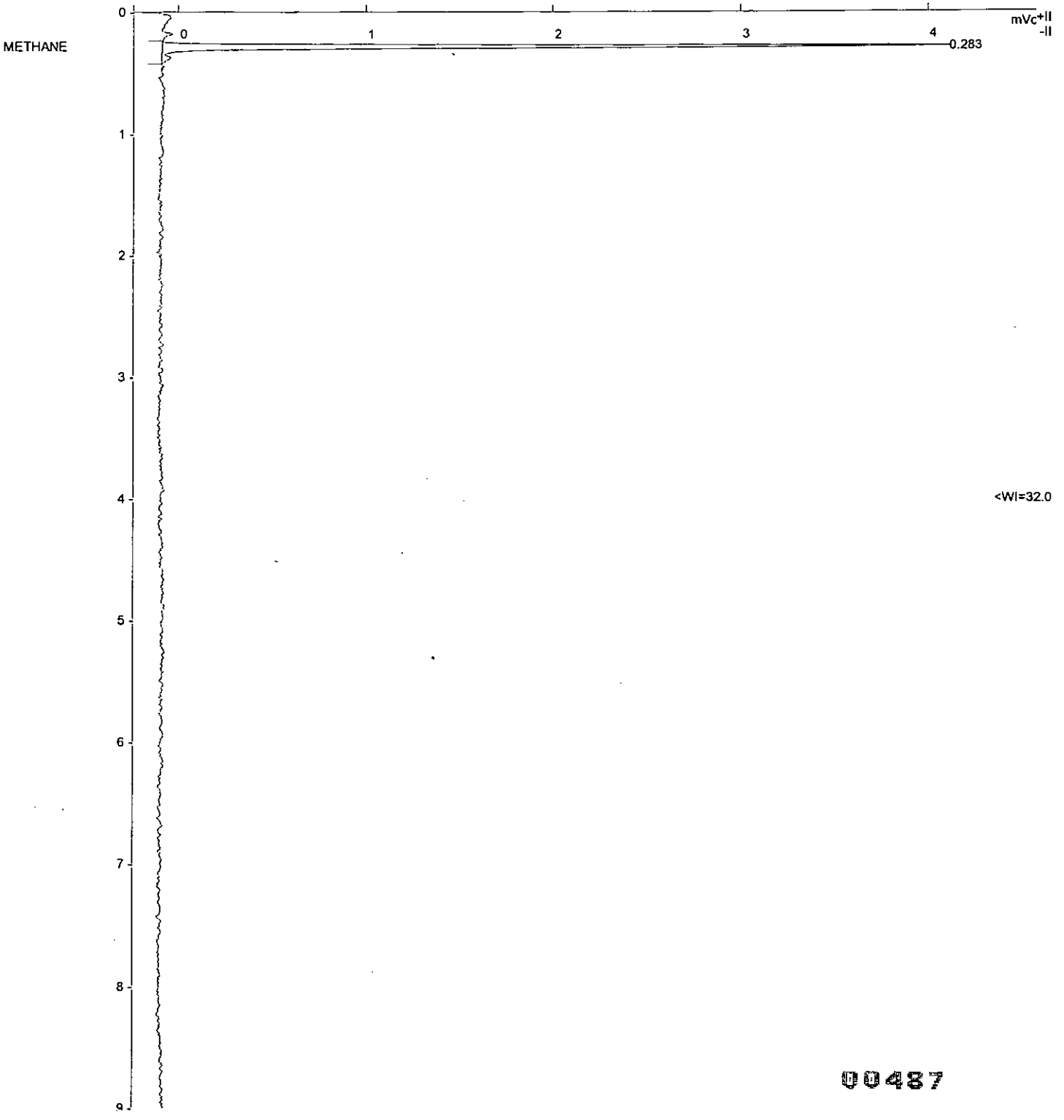
Injection Date: 5/19/2014 12:30 PM Calculation Date: 5/19/2014 12:39 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 20 Zero Offset = 4%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00487

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1012.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-009, 1

Injection Date: 5/19/2014 12:30 PM Calculation Date: 5/19/2014 12:39 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.959	0.283	0.004	7245	BB	1.5	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.959		0.004	7245			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -94 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 28 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1415
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 12:39
Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1013.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1013.run JC 5/19/14
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-010, 1

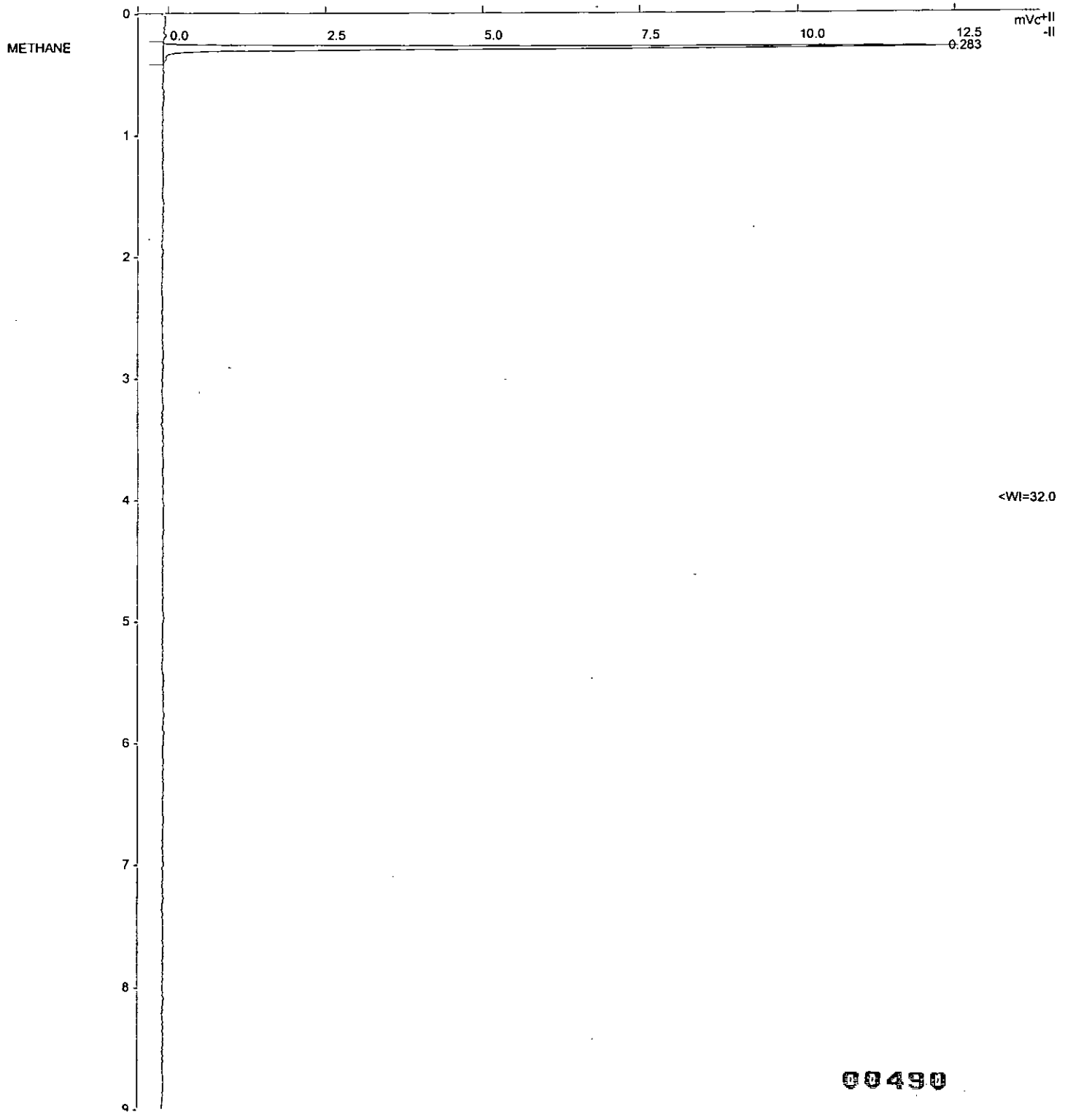
Injection Date: 5/19/2014 12:39 PM Calculation Date: 5/19/2014 12:48 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 59 Zero Offset = 3%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00490

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1013.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-010, 1

Injection Date: 5/19/2014 12:39 PM Calculation Date: 5/19/2014 12:48 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	2.863	0.283	0.004	21618	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	2.863		0.004	21618			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -85 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 29 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1445
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/19/14 13:01
Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1015.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1015.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-011, 1

JC 5/19/14

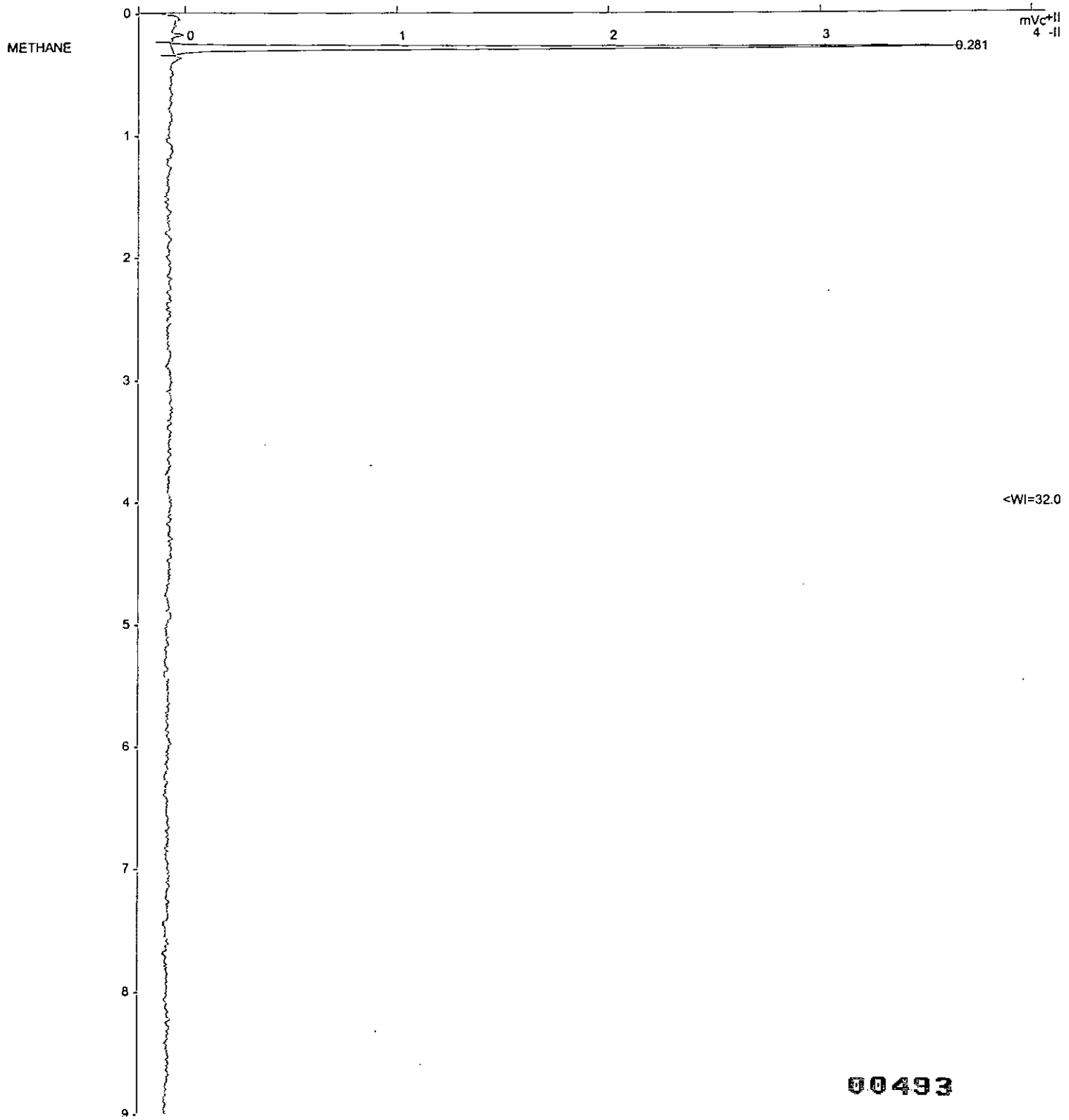
Injection Date: 5/19/2014 1:01 PM Calculation Date: 5/19/2014 1:10 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 17 Zero Offset = 5%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00493

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1015.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-011, 1

Injection Date: 5/19/2014 1:01 PM Calculation Date: 5/19/2014 1:10 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.831	0.281	0.002	6276	BB	1.5	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.831		0.002	6276			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -85 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 30 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0845
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:11
Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1016.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1016.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-~~012~~ 014 JC 5/27/14, 1

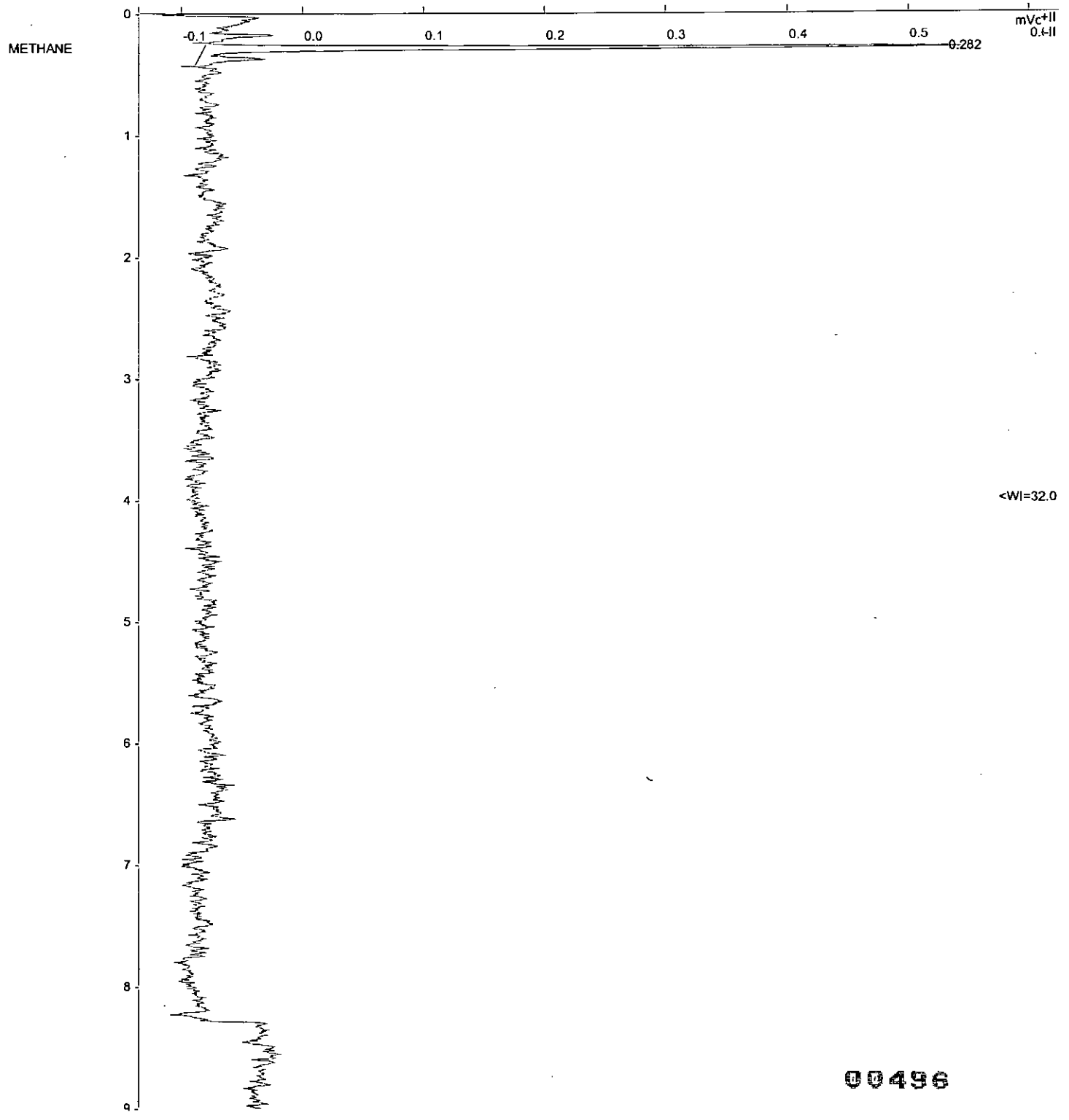
Injection Date: 5/19/2014 1:11 PM Calculation Date: 5/19/2014 1:20 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 3 Zero Offset = 18%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00496

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1016.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-~~012~~ 014, 1 JC 5/27/14

Injection Date: 5/19/2014 1:11 PM Calculation Date: 5/19/2014 1:20 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.166	0.282	0.002	1256	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.166		0.002	1256			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -90 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 27 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0930
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:20
Sample Name:	M-28S	**Units:**	µg/L
Lab Code:	R1403523-015	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1017.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1017.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-015, 1

JC 5/19/14

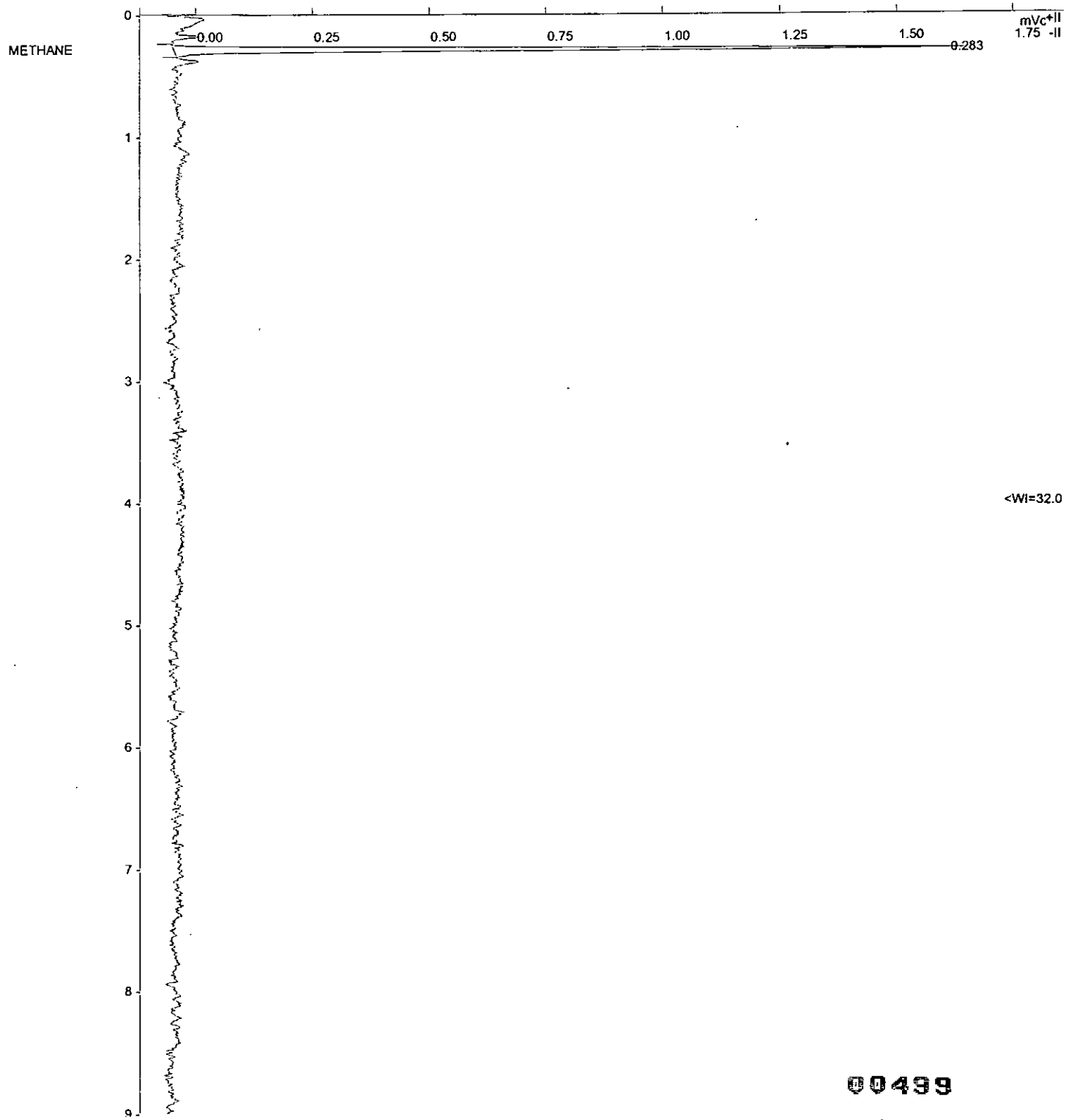
Injection Date: 5/19/2014 1:20 PM Calculation Date: 5/19/2014 1:29 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 8 Zero Offset = 6%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00499

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1017.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-015, 1

Injection Date: 5/19/2014 1:20 PM Calculation Date: 5/19/2014 1:29 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.389	0.283	0.004	2934	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.389		0.004	2934			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -42 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 31 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1015
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:30
Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1018.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1018.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-016, 1

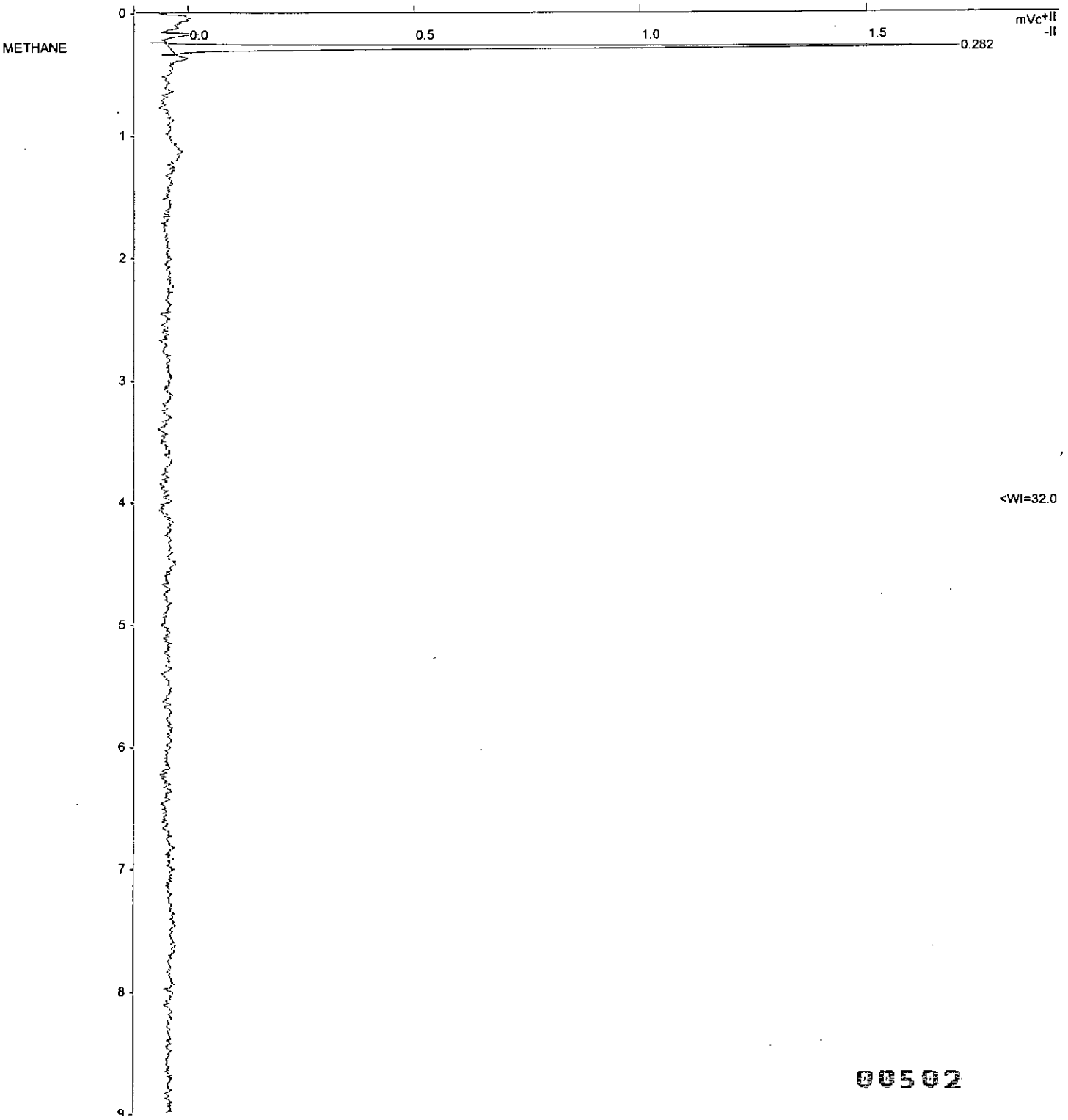
Injection Date: 5/19/2014 1:30 PM Calculation Date: 5/19/2014 1:39 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 8 Zero Offset = 6%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00502

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1018.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-016, 1

Injection Date: 5/19/2014 1:30 PM Calculation Date: 5/19/2014 1:39 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.399	0.282	0.003	3013	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.399		0.003	3013			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -44 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 19 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:41
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1019.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1019.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-017, 1

JC 5/19/14

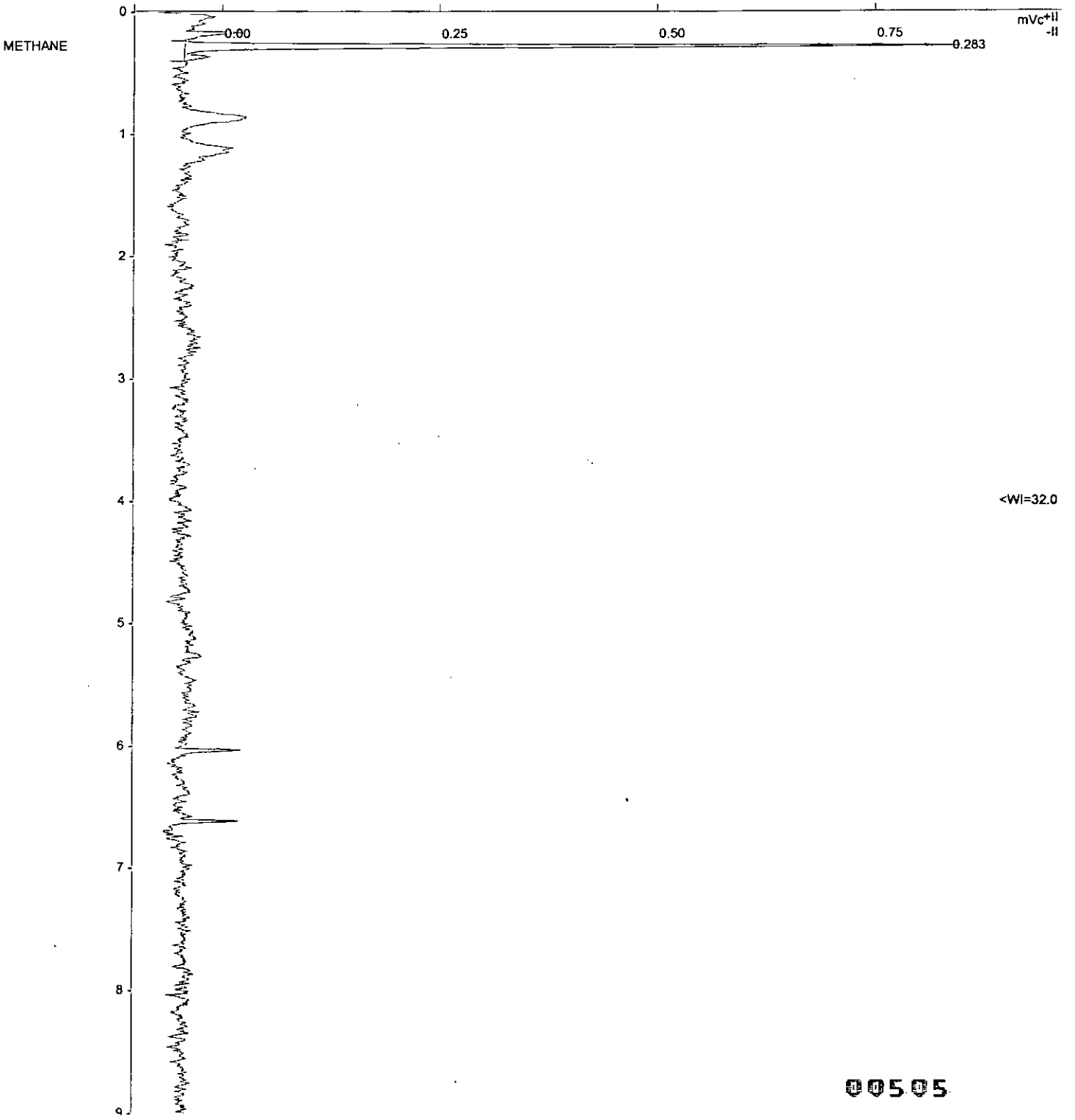
Injection Date: 5/19/2014 1:41 PM Calculation Date: 5/19/2014 1:50 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 4 Zero Offset = 10%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00505

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1019.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-017, 1

Injection Date: 5/19/2014 1:41 PM Calculation Date: 5/19/2014 1:50 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.213	0.283	0.004	1612	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.213		0.004	1612			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -52 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 15 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1200
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 14:11
Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1022.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1022.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-018, 1

JC 5/19/14

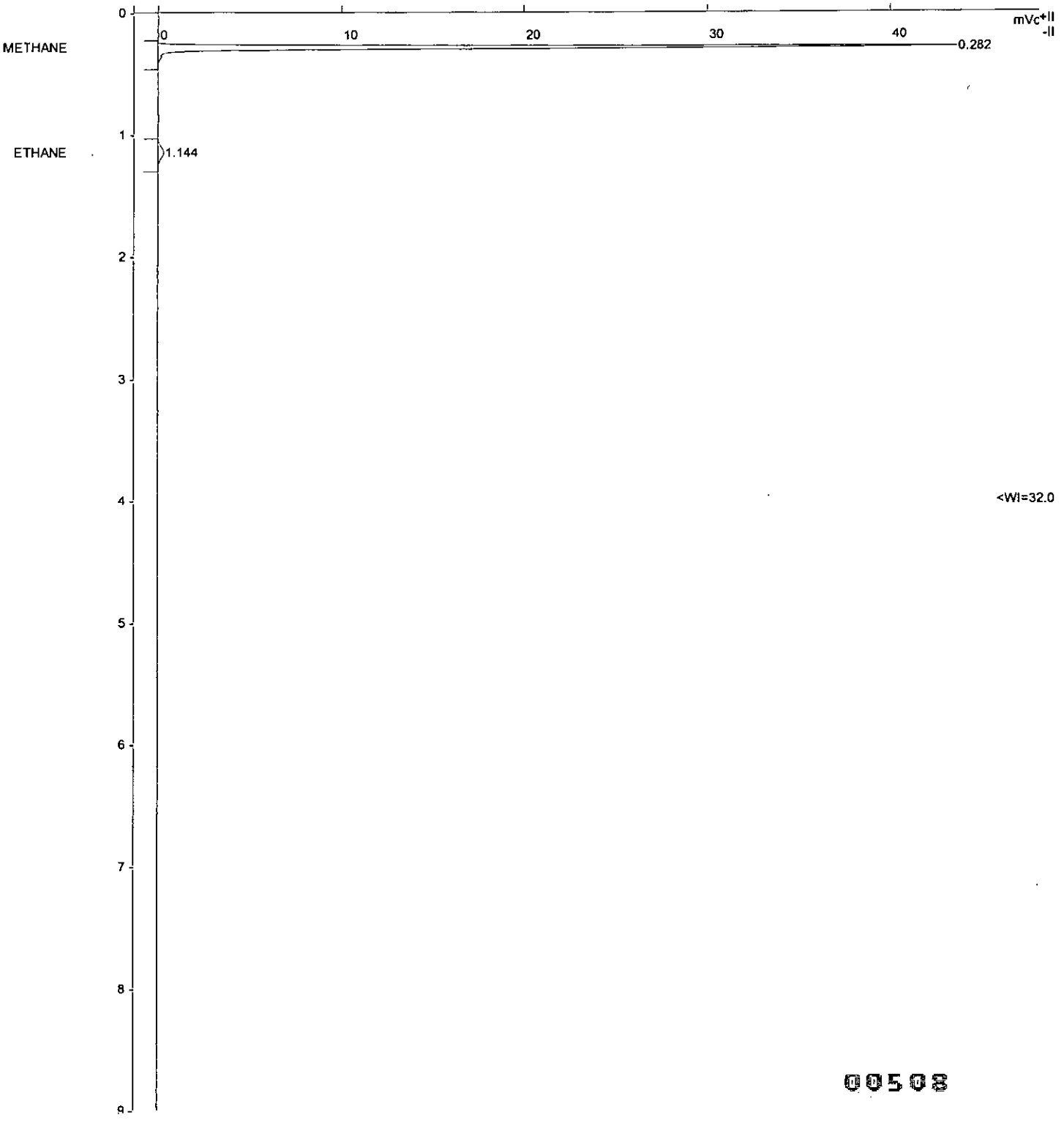
Injection Date: 5/19/2014 2:11 PM Calculation Date: 5/19/2014 2:20 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 206 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00508

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1022.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-018, 1

Injection Date: 5/19/2014 2:11 PM Calculation Date: 5/19/2014 2:20 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	9.298	0.282	0.003	70208	BB	1.5	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE	0.302	1.144	0.015	2164	BB	6.1	
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	9.600		0.018	72372			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 2 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -23 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 32 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1245
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 14:20
Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1023.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1023.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-019, 1

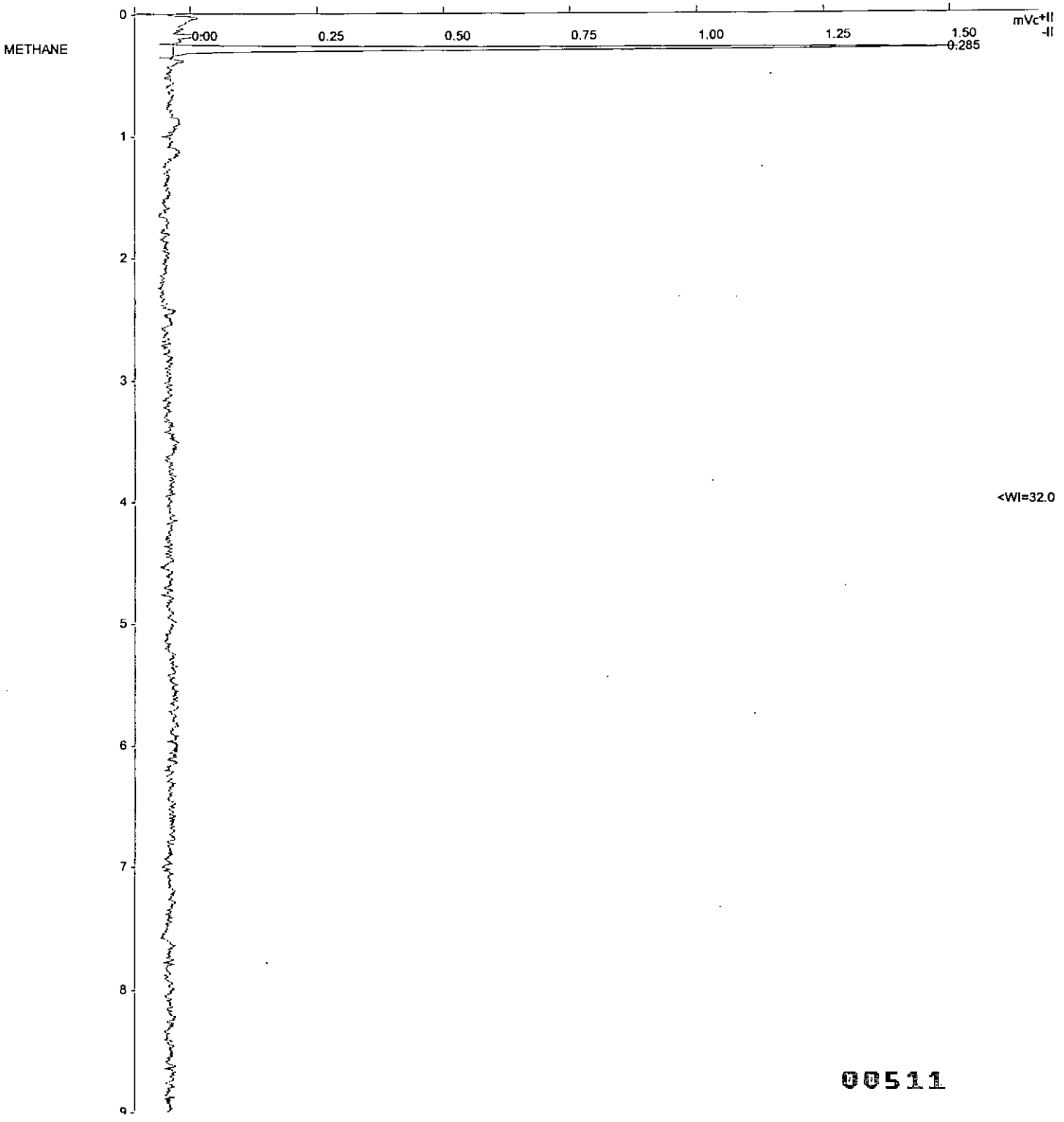
Injection Date: 5/19/2014 2:20 PM Calculation Date: 5/19/2014 2:29 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 7 Zero Offset = 6%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00511

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1023.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-019, 1

Injection Date: 5/19/2014 2:20 PM Calculation Date: 5/19/2014 2:29 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.358	0.285	0.006	2706	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.358		0.006	2706			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -29 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 31 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1330
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 14:33
Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1024.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1024.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-020, 1

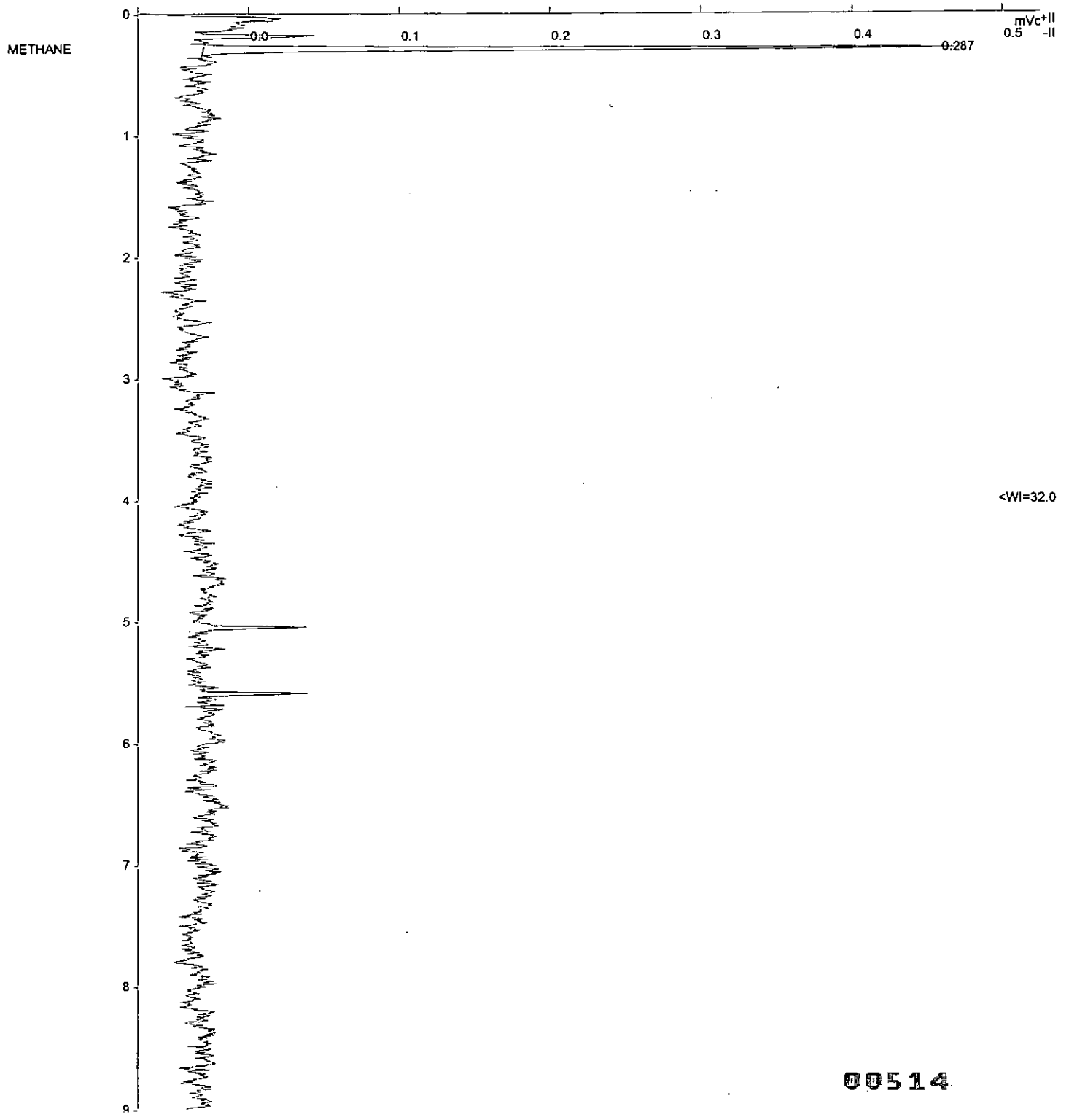
Injection Date: 5/19/2014 2:33 PM Calculation Date: 5/19/2014 2:42 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 2 Zero Offset = 14%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00514

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1024.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-020, 1

Injection Date: 5/19/2014 2:33 PM Calculation Date: 5/19/2014 2:42 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.118	0.287	0.008	892	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.118		0.008	892			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -32 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 21 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1420
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 09:34
Sample Name:	13S	**Units:**	µg/L
Lab Code:	R1403523-021	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1004.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/20/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1004.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-021, 1

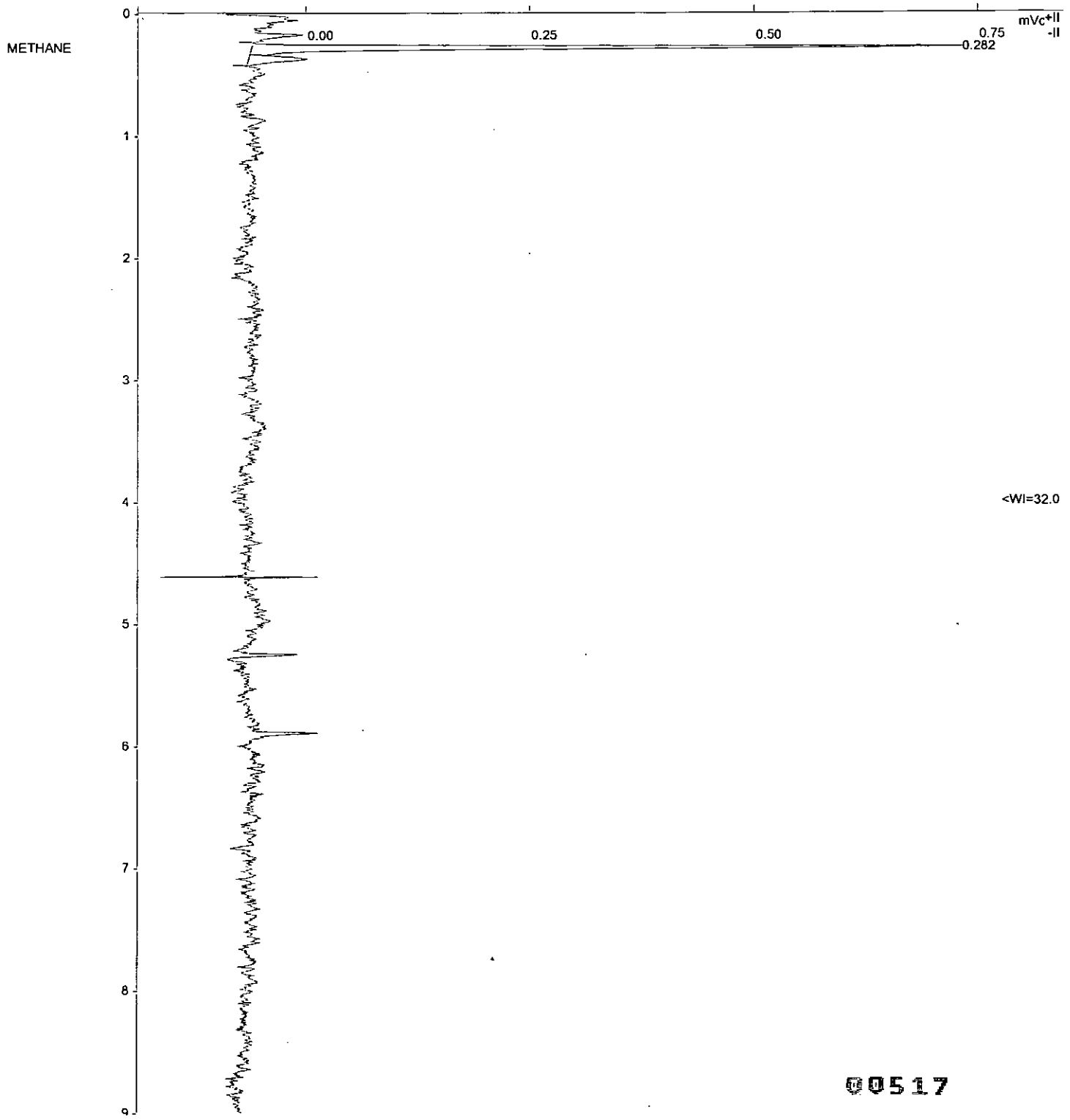
Injection Date: 5/20/2014 9:34 AM Calculation Date: 5/20/2014 9:43 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 4 Zero Offset = 19%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00517

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1004.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-021, 1

Injection Date: 5/20/2014 9:34 AM Calculation Date: 5/20/2014 9:43 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.186	0.282	0.003	1408	BV	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.186		0.003	1408			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 2 Rejected Peaks: 1 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -69 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 28 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 09:44
Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1005.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1005.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-022, 1

JC 5/20/14

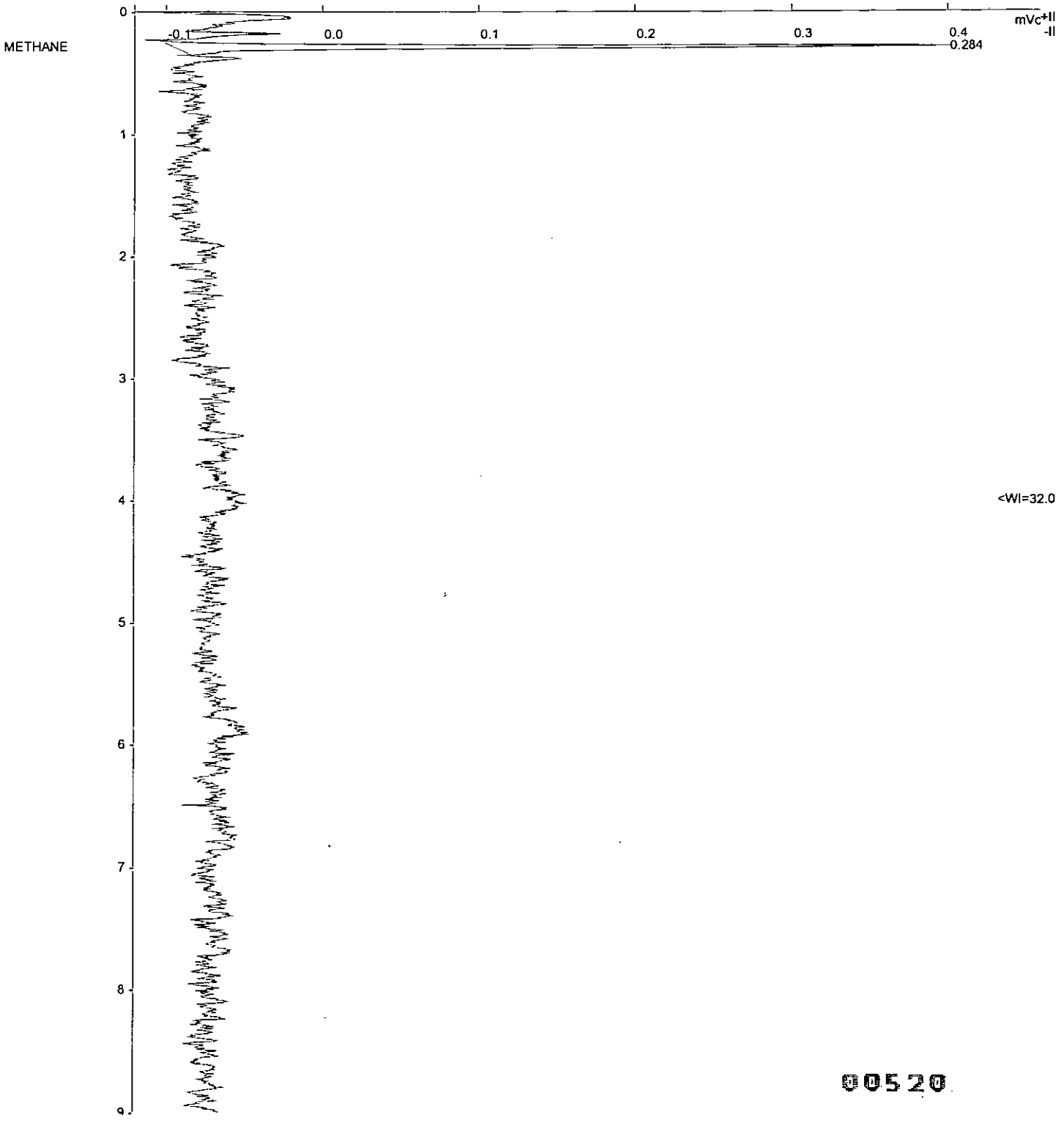
Injection Date: 5/20/2014 9:44 AM Calculation Date: 5/20/2014 9:53 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 2 Zero Offset = 24%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00520

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1005.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-022, 1

Injection Date: 5/20/2014 9:44 AM Calculation Date: 5/20/2014 9:53 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.125	0.284	0.005	943	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.125		0.005	943			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -80 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 23 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1600
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 09:54
Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	R1403523-023	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1006.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/20/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1006.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-023, 1

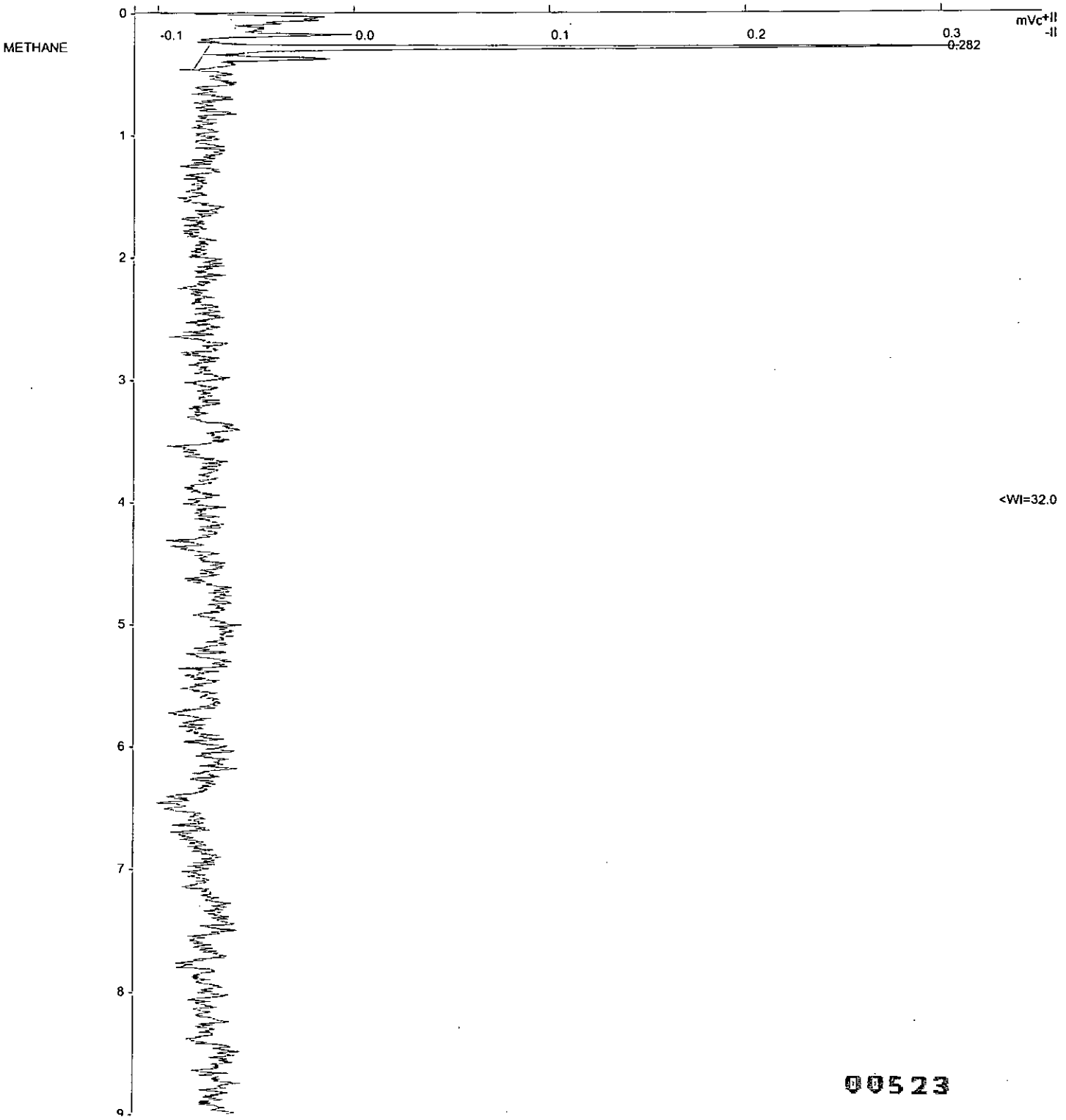
Injection Date: 5/20/2014 9:54 AM Calculation Date: 5/20/2014 10:03 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 1 Zero Offset = 45%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00523

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1006.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-023, 1

Injection Date: 5/20/2014 9:54 AM Calculation Date: 5/20/2014 10:03 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.089	0.282	0.003	670	BV	1.5	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.089		0.003	670			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 2 Rejected Peaks: 1 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -63 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 22 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 10:24
Sample Name:	DUP-1	**Units:**	µg/L
Lab Code:	R1403523-025	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1009.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1009.run JC 5/20/14
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-025, 1

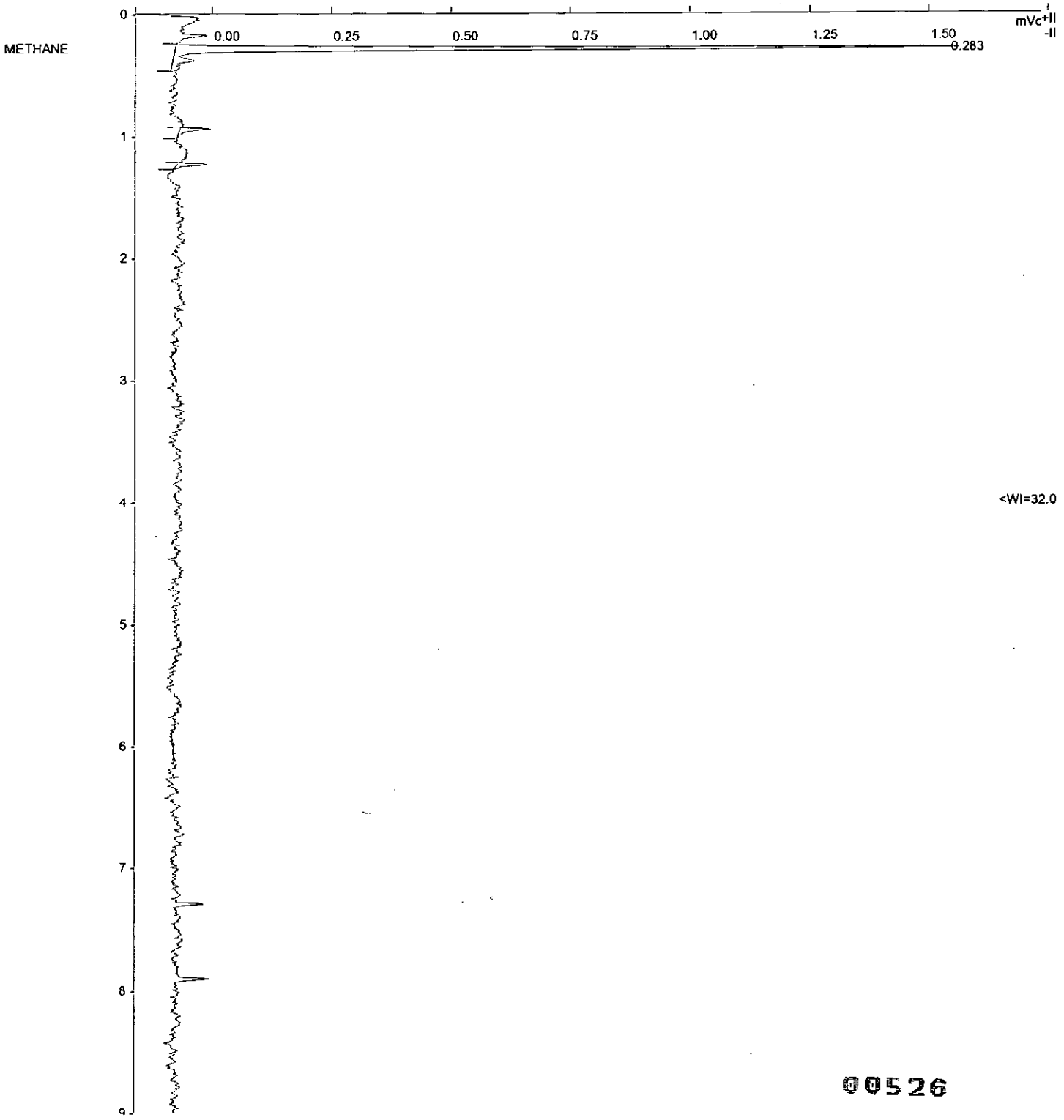
Injection Date: 5/20/2014 10:24 AM Calculation Date: 5/20/2014 10:33 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 7 Zero Offset = 9%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00526

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1009.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-025, 1

Injection Date: 5/20/2014 10:24 AM Calculation Date: 5/20/2014 10:33 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.394	0.283	0.004	2978	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.394		0.004	2978			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 3 Rejected Peaks: 2 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -91 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 23 microVolts

Manual injection

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ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 10:34
Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1010.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1010.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-026, 1

JC 5/20/14

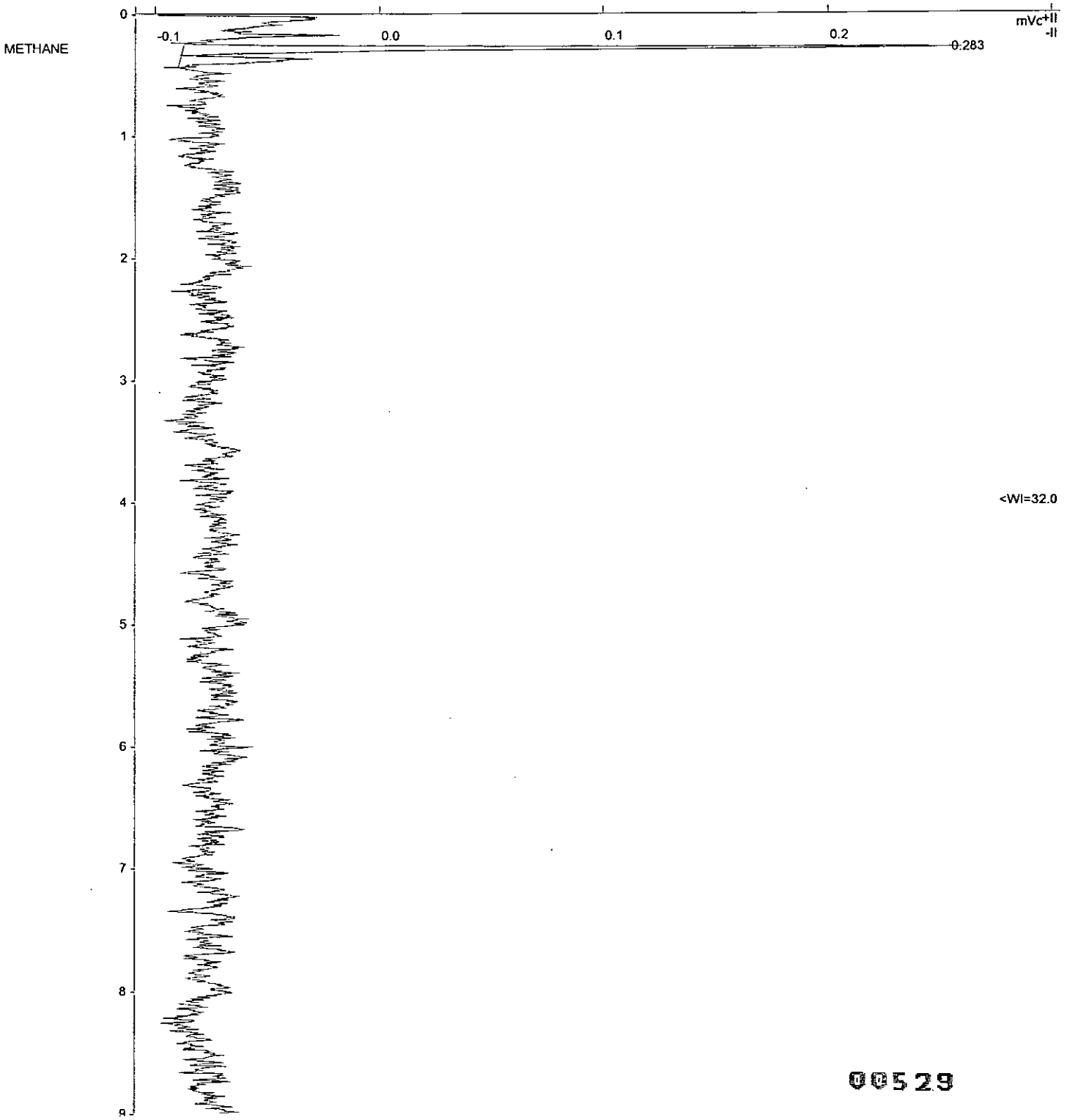
Injection Date: 5/20/2014 10:34 AM Calculation Date: 5/20/2014 10:43 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 1 Zero Offset = 44%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00529

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1010.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-026, 1

Injection Date: 5/20/2014 10:34 AM Calculation Date: 5/20/2014 10:43 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.088	0.283	0.004	663	BV	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.088		0.004	663			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 2 Rejected Peaks: 1 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -81 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 28 microVolts

Manual injection

****

ALS Environmental

RSK 175
STANDARDS DATA

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

dlh 9/5/13

ALS Environmental-Rochester

Analyst: B Wojtasiewicz
Date: 8/27/2013

Method: RSK-175 Dissolved Gases

Instrument I.D.: Varian FID (V2)
Column: Carboxen 1000

Compound	Avg. R.T.	1PPB R F STD 1	2PPB R F STD 2	10.0PPB R F STD 3	20PPB R F STD 4	50PPB R F STD 5	75PPB R F STD 6	100PPB R F STD 7	Avg R F	% RSD
Methane	0.29	0.8369	0.7754	0.7632	0.7422	0.7178	0.7195	0.7307	**0.7551**	5.6%
Ethylene	0.77	0.5121	0.5030	0.4969	0.5145	0.4921	0.5080	0.5206	**0.5067**	2.0%
Ethane	1.15	0.7478	0.7047	0.7275	0.7211	0.6941	0.7031	0.7167	**0.7164**	2.5%
Propene	4.81		0.1874	0.1532	0.1732	0.2013	0.2286	0.2484	**0.1987**	17.8%
Propane	5.80	0.7040	0.7346	0.7895	0.7607	0.7480	0.7493	0.7625	**0.7498**	3.5%
Acetylene	0.64	0.0922	0.0935	0.0769	0.0923	0.0921	0.1004	0.1072	**0.0935**	9.9%

***LR =Linear Regression**

dlk 9/5/13

ALS Environmental - Rochester

Analyst: B Wojtasiewicz
Date: 8/27/2013
Time: 9:04

Method: RSK-175 Dissolved Gases

Column: Carboxen 1000
Instrument I.D.: Varian FID (V2)

Standard I.D. : STANDARD - 1PPB

Compound	Time	Area Units	Conc. (ug/L)	Response Factor
Methane	0.29	0.878	1.05	0.8369
Ethylene	0.09	0.498	0.97	0.5121
Ethane	1.15	0.780	1.04	0.7478
Propene			0.96	
Propane	5.79	0.720	1.02	0.7040
Acetylene	0.64	0.185	2.01	0.0922

Area Units = x10-4

dlh 9/5/13

ALS Environmental - Rochester

Analyst: B Wojtasiewicz
Date: 08/27/13
Time: 10:46

Method: RSK-175 Dissolved Gases

Column: Carboxen 1000
Instrument I.D.: Varian FID (V2)

Standard I.D. : STANDARD - 2.0PPB

Compound	Time	Area Units	Conc. (ug/L)	Response Factor
Methane	0.29	1.63	2.10	0.7754
Ethylene	0.89	0.98	1.95	0.5030
Ethane	1.16	1.47	2.09	0.7047
Propene	4.80	0.36	1.92	0.1874
Propane	5.82	1.50	2.04	0.7346
Acetylene	0.65	0.38	4.01	0.0935

Area Units = x10-4

9/4/13

ALS Environmental - Rochester

Analyst: B Wojtasiewicz
Date: 08/27/13
Time: 9:39

Method: RSK-175 Dissolved Gases

Column: Carboxen 1000
Instrument I.D.: Varian FID (V2)

Standard I.D. : STANDARD - 10.0PPB

Compound	Time	Area Units	Conc. (ug/L)	Response Factor
Methane	0.29	8.01	10.49	0.7632
Ethylene	0.88	4.84	9.73	0.4969
Ethane	1.15	7.59	10.43	0.7275
Propene	4.80	1.47	9.62	0.1532
Propane	5.79	8.07	10.22	0.7895
Acetylene	0.64	1.54	20.05	0.0769

Area Units = x10-4

9/3/13

ALS Environmental - Rochester

Analyst: B Wojtasiewicz
Date: 08/27/13
Time: 9:51

Method: RSK-175 Dissolved Gases

Column: Carboxen 1000
Instrument I.D.: Varian FID (V2)

Standard I.D. : STANDARD - 20.0PPB

Compound	Time	Area Units	Conc. (ug/L)	Response Factor
Methane	0.29	15.57	21.0	0.7422
Ethylene	0.88	10.01	19.5	0.5145
Ethane	1.15	15.04	20.9	0.7211
Propene	4.81	3.33	19.2	0.1732
Propane	5.79	15.55	20.4	0.7607
Acetylene	0.64	3.70	40.1	0.0923

Area Units = x10-4

dlh 9/3/13

ALS Environmental - Rochester

Analyst: B Wojtasiewicz
Date: 08/27/13
Time: 10:01

Method: RSK-175 Dissolved Gases

Column: Carboxen 1000
Instrument I.D.: Varian FID (V2)

Standard I.D. : STANDARD - 50.0PPB

Compound	Time	Area Units	Conc. (ug/L)	Response Factor
Methane	0.29	37.7	52.5	0.7178
Ethylene	0.88	23.9	48.7	0.4921
Ethane	1.15	36.2	52.1	0.6941
Propene	4.80	9.7	48.1	0.2013
Propane	5.79	38.2	51.1	0.7480
Acetylene	0.64	9.23	100.3	0.0921

Area Units = x10-4

09/01/13

ALS Environmental - Rochester

Analyst: B Wojtasiewicz
Date: 08/27/13
Time: 10:12

Method: RSK-175 Dissolved Gases

Column: Carboxen 1000
Instrument I.D.: Varian FID (V2)

Standard I.D. : STANDARD - 75.0PPB

Compound	Time	Area Units	Conc. (ug/L)	Response Factor
Methane	0.29	56.6	78.7	0.7195
Ethylene	0.88	37.1	73.0	0.5080
Ethane	1.15	55.0	78.2	0.7031
Propene	4.81	16.5	72.1	0.2286
Propane	5.80	57.5	76.7	0.7493
Acetylene	0.65	15.10	150.4	0.1004

Area Units = x10-4

dlh 9/3/13

ALS Environmental - Rochester

Analyst: B Wojtasiewicz
Date: 08/27/13
Time: 10:32

Method: RSK-175 Dissolved Gases

Column: Carboxen 1000
Instrument I.D.: Varian FID (V2)

Standard I.D. : STANDARD - 100.0PPB

Compound	Time	Area Units	Conc. (ug/L)	Response Factor
Methane	0.29	76.7	104.9	0.7307
Ethylene	0.88	50.7	97.3	0.5206
Ethane	1.15	74.7	104.3	0.7167
Propene	4.81	23.9	96.2	0.2484
Propane	5.81	78.0	102.2	0.7625
Acetylene	0.65	21.50	200.5	0.1072

Area Units = x10-4

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1003.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 1 ppb

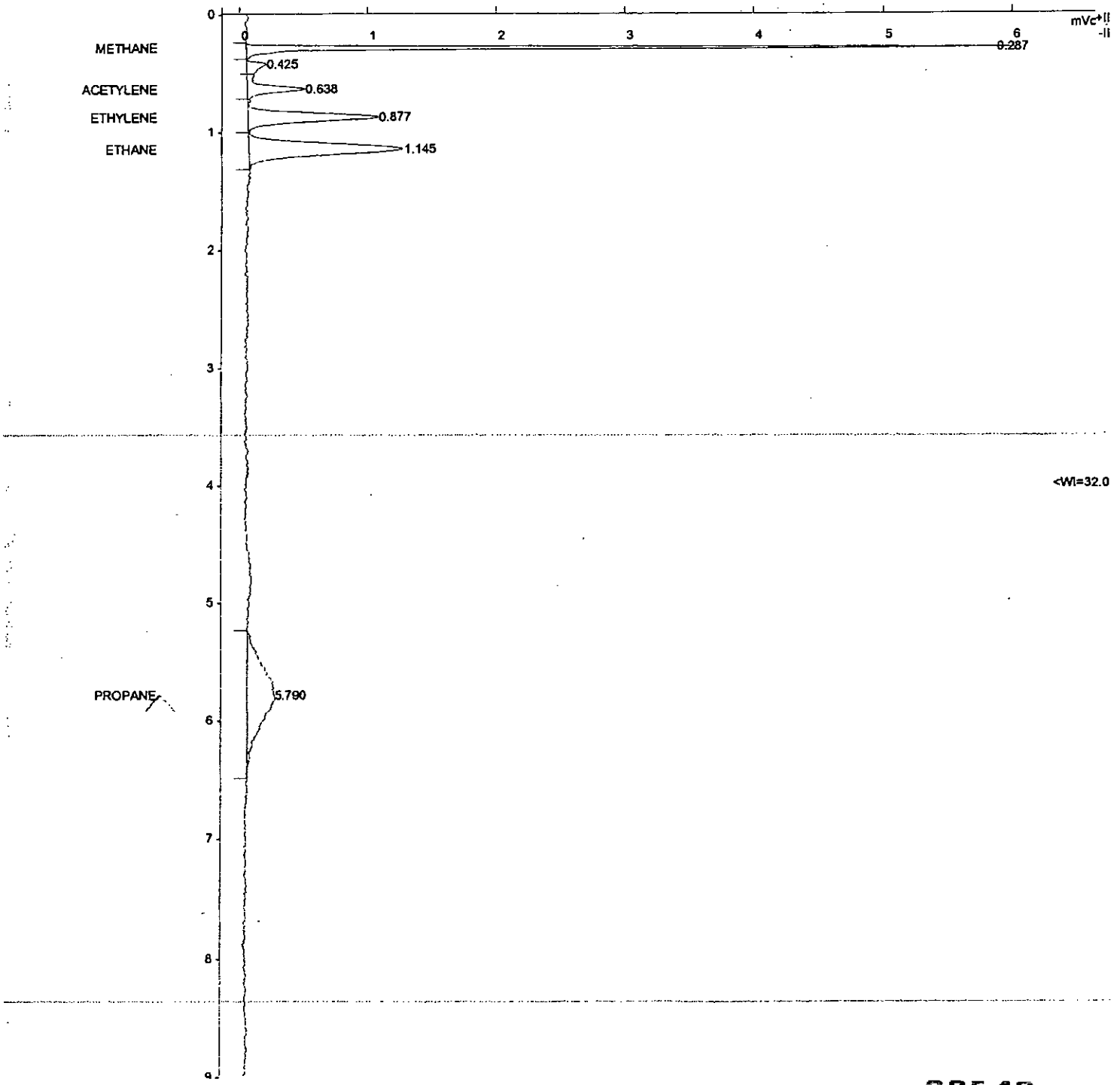
Injection Date: 8/27/2013 9:04 AM Calculation Date: 8/27/2013 9:13 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 28 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00540

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1003.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 1 ppb

Injection Date: 8/27/2013 9:04 AM Calculation Date: 8/27/2013 9:13 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	1.242	0.287	-0.000	8781	BV	1.3	
2		0.000	0.425	0.000	666	VV	2.3	
3	ACETYLENE	1.774	0.638	-0.001	1848	VV	3.4	
4	ETHYLENE	0.963	0.877	0.002	4983	VV	4.6	
5	ETHANE	1.118	1.145	0.003	7798	VB	6.2	
6	PROPENE		4.772					M
7	PROPANE	0.705	5.790	0.041	7197	BB	31.9	
	Totals:	5.802		0.045	31273			

Status Codes:
M - Missing peak

Total Unidentified Counts : 666 counts

Detected Peaks: 6 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 54 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 23 microVolts

Manual injection

****

8/30/13

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1011.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 2 ppb

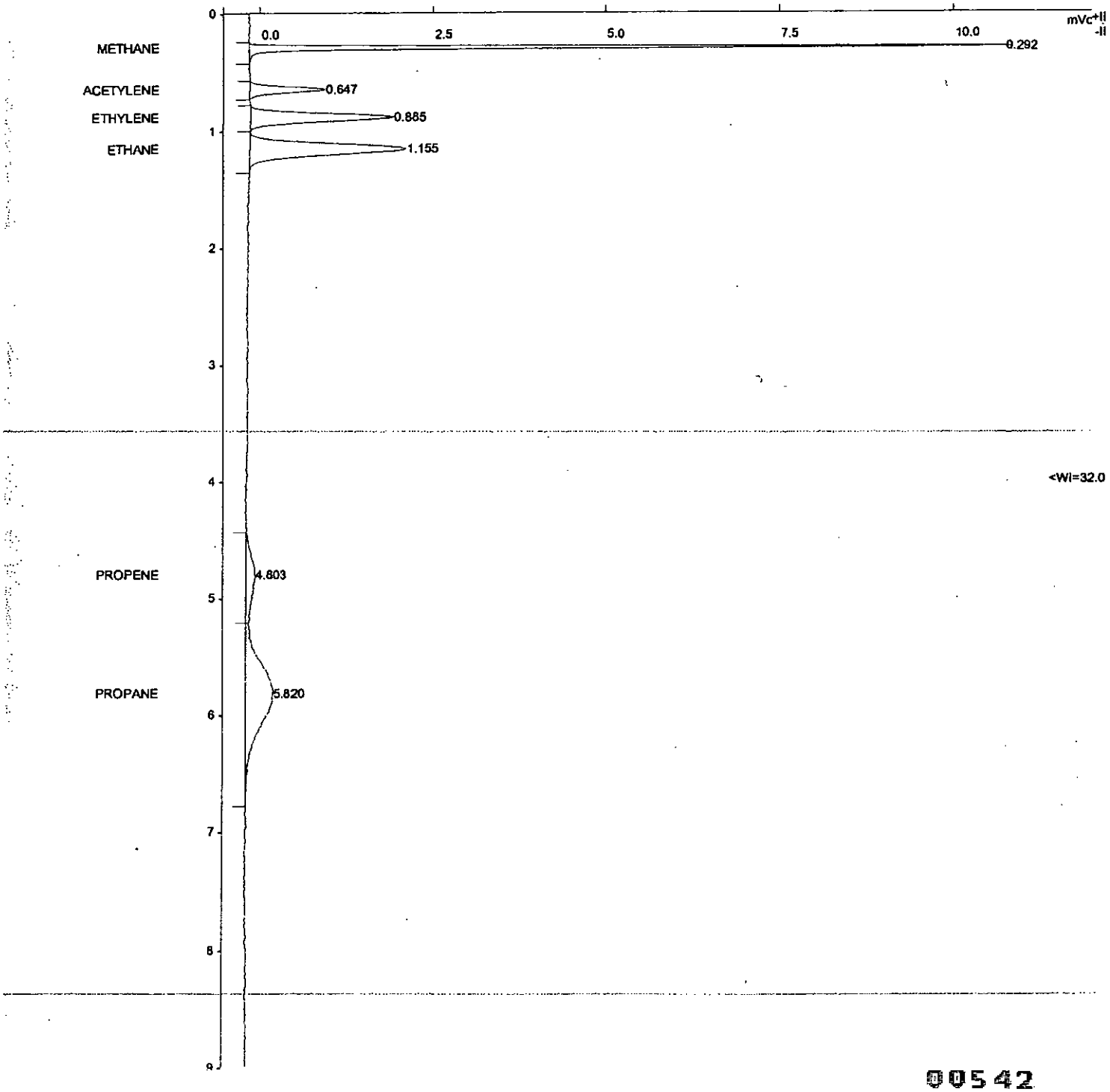
Injection Date: 8/27/2013 10:46 AM Calculation Date: 8/27/2013 10:55 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 52 Zero Offset = 4%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1011.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 2 ppb

Injection Date: 8/27/2013 10:46 AM Calculation Date: 8/27/2013 10:55 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	2.303	0.292	0.005	16272	BB	1.3	
2	ACETYLENE	3.602	0.647	0.008	3752	BB	3.2	
3	ETHYLENE	1.892	0.885	0.010	9789	BV	4.5	
4	ETHANE	2.107	1.155	0.013	14698	VB	6.1	
5	PROPENE	0.063	4.803	0.031	3605	BV	27.7	
6	PROPANE	1.471	5.820	0.071	15020	VB	35.5	
	Totals:	11.438		0.138	63136			

Total Unidentified Counts : 0 counts

Detected Peaks: 6 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -150 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 22 microVolts

Manual injection

****

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1006.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 10 ppb

8/30/13

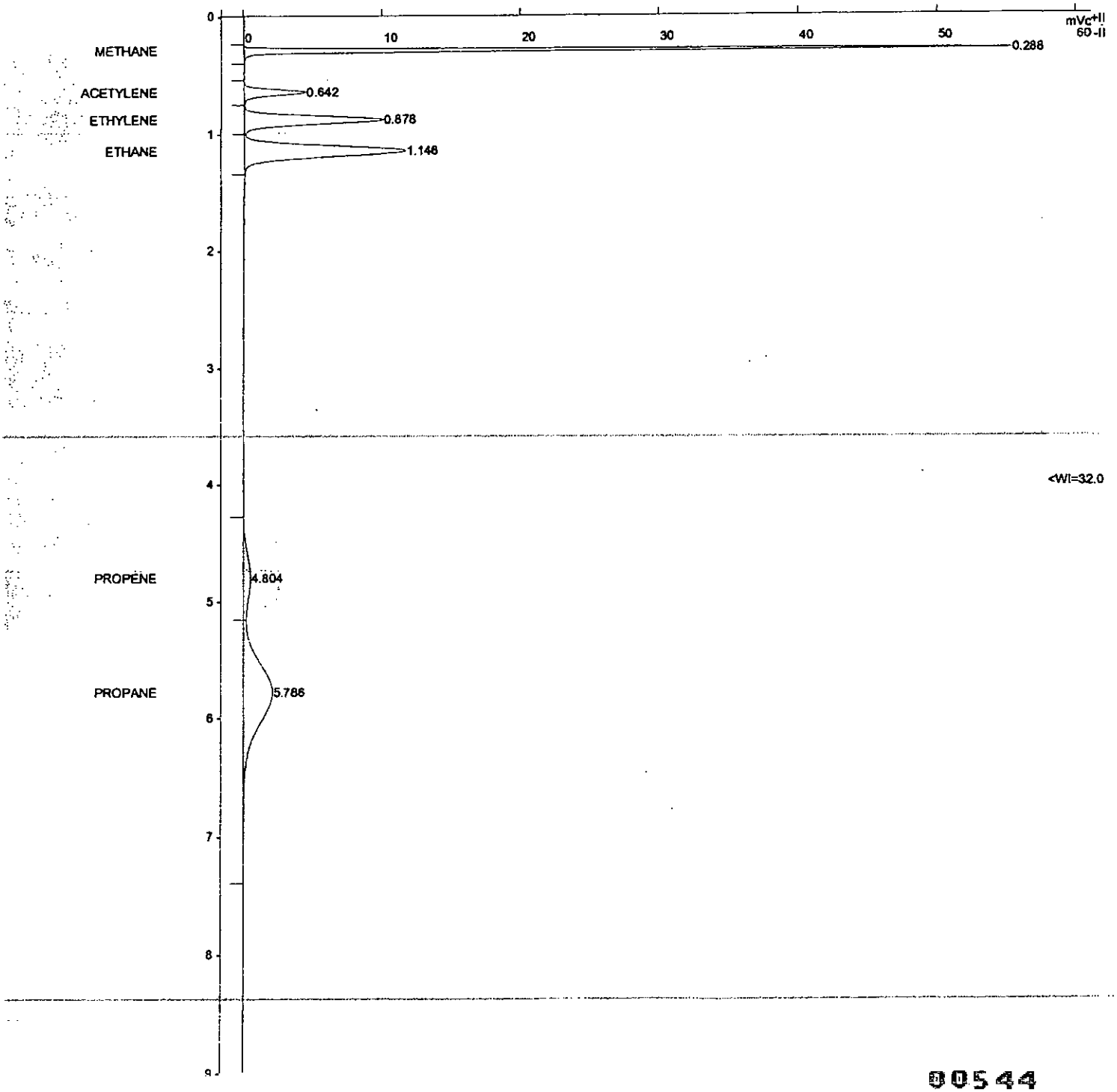
Injection Date: 8/27/2013 9:39 AM Calculation Date: 8/27/2013 9:48 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 261 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00544

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1006.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 10 ppb

Injection Date: 8/27/2013 9:39 AM Calculation Date: 8/27/2013 9:48 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	11.331	0.288	0.001	80076	BB	1.3	
2	ACETYLENE	14.804	0.642	0.003	15422	BV	3.2	
3	ETHYLENE	9.344	0.878	0.003	48352	VV	4.5	
4	ETHANE	10.874	1.146	0.004	75862	VB	6.1	
5	PROPENE	0.257	4.804	0.032	14730	BV	28.7	
6	PROPANE	7.905	5.786	0.036	80709	VB	35.2	
	Totals:	54.515		0.079	315151			

Total Unidentified Counts : 0 counts

Detected Peaks: 6 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 50 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 21 microVolts

Manual injection

****

dlh 9/30/13

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1007.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 20 ppb

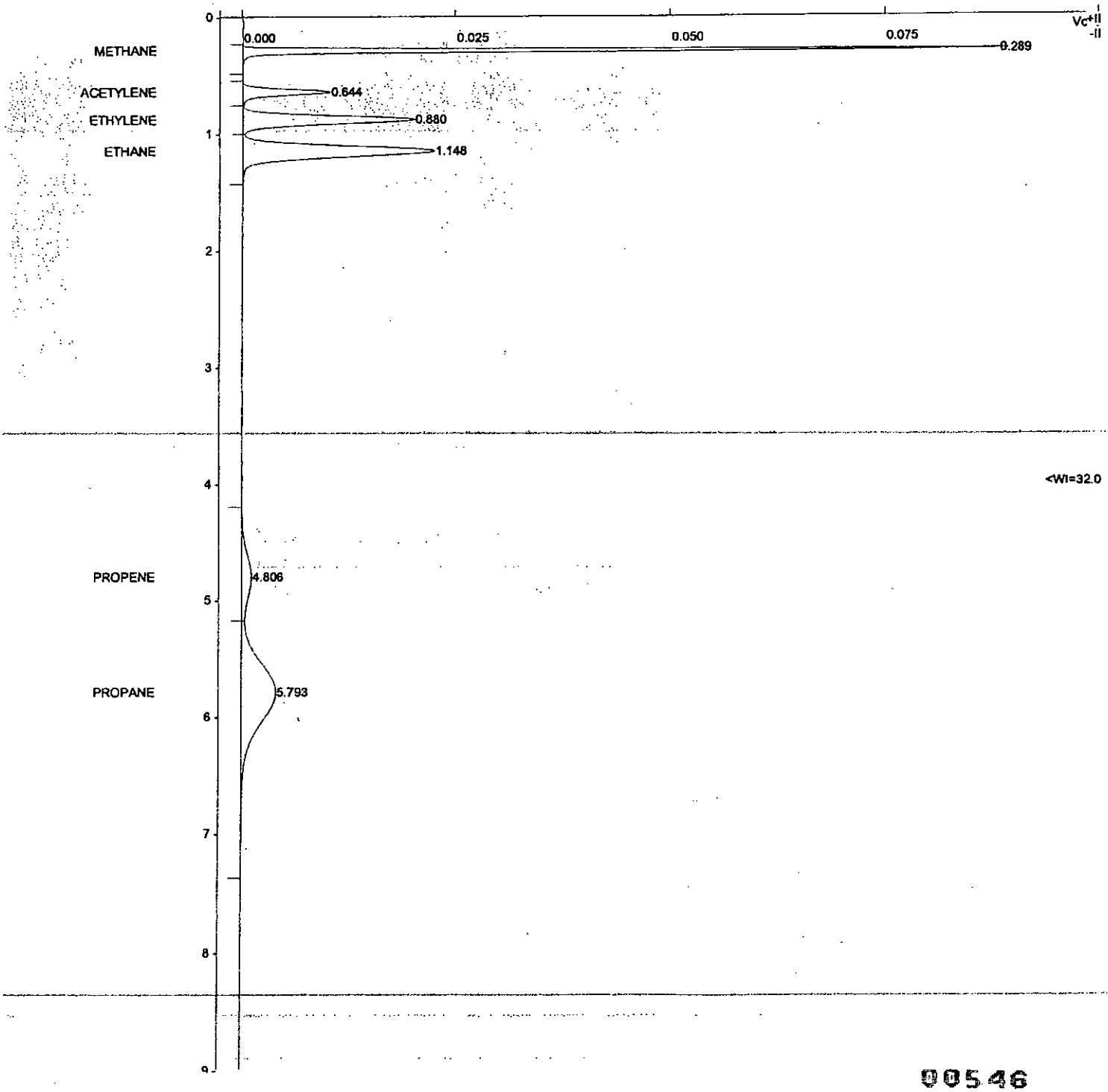
Injection Date: 8/27/2013 9:51 AM Calculation Date: 8/27/2013 10:00 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 423 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00546

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1007.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 20 ppb

Injection Date: 8/27/2013 9:51 AM Calculation Date: 8/27/2013 10:00 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No:	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	22.038	0.289	0.002	155744	BB	1.6	
2	ACETYLENE	35.541	0.644	0.005	37025	BV	3.3	
3	ETHYLENE	19.350	0.880	0.005	100126	VV	4.6	
4	ETHANE	21.556	1.148	0.006	150389	VB	6.2	
5	PROPENE	0.581	4.806	0.034	33316	BV	27.9	
6	PROPANE	15.233	5.793	0.044	155536	VB	35.1	
	Totals:	114.299		0.096	632136			

Total Unidentified Counts : 0 counts

Detected Peaks: 6 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 60 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 30 microVolts

Manual injection

****

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1008.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 50 ppb

dlh 9/30/13

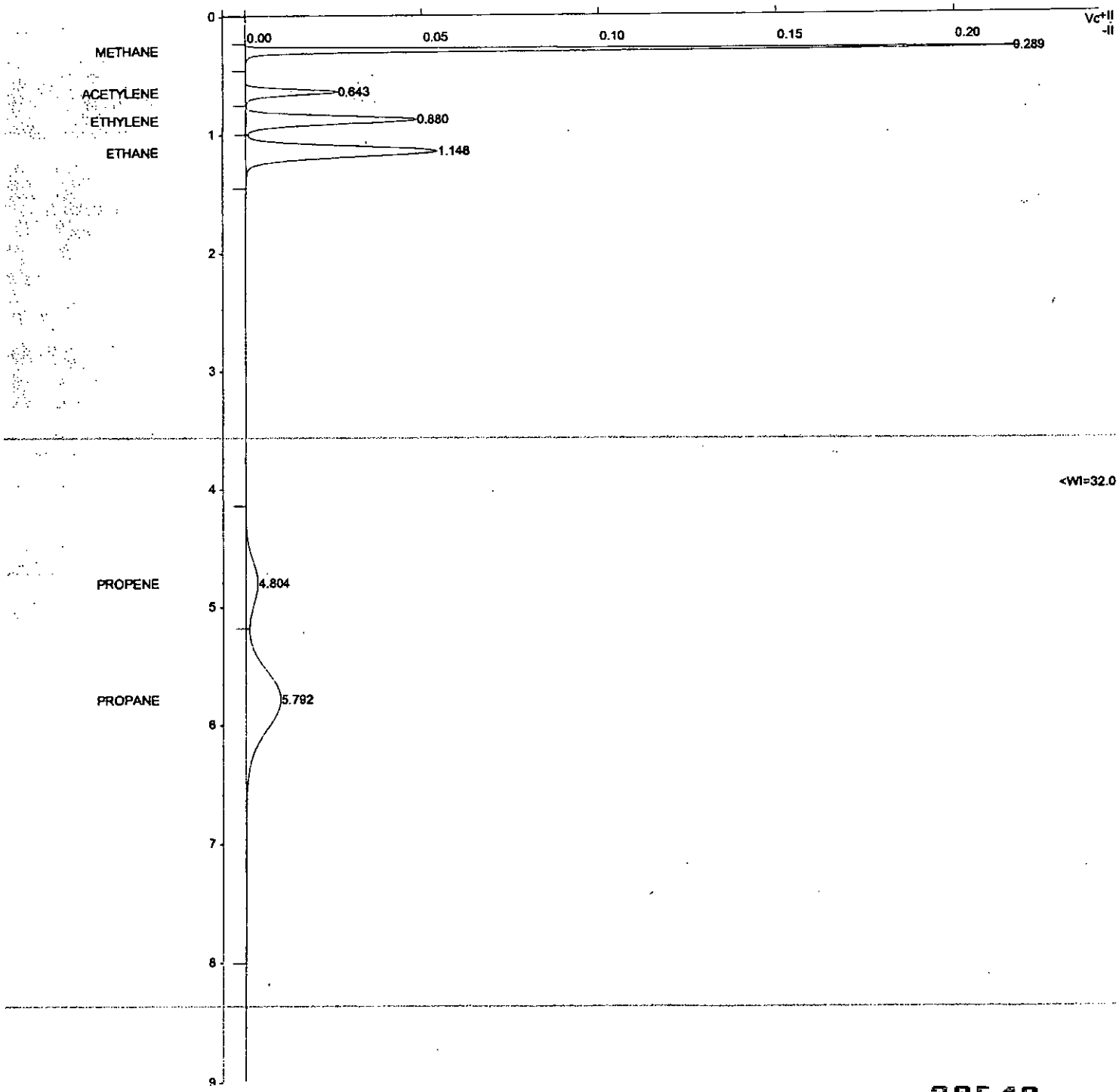
Injection Date: 8/27/2013 10:01 AM Calculation Date: 8/27/2013 10:10 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 1035 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00548

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1008.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 50 ppb

Injection Date: 8/27/2013 10:01 AM Calculation Date: 8/27/2013 10:10 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	53.287	0.289	0.002	376574	BP	1.6	
2	ACETYLENE	88.645	0.643	0.004	92346	PV	3.3	
3	ETHYLENE	46.271	0.880	0.005	239428	VV	4.6	
4	ETHANE	51.876	1.148	0.006	361920	VB	6.2	
5	PROPENE	1.686	4.804	0.032	96782	BV	28.2	
6	PROPANE	37.448	5.792	0.043	382360	VB	35.2	
	Totals:	279.213		0.092	1549410			

Total Unidentified Counts : 0 counts

Detected Peaks: 6 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 6 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 24 microVolts

Manual injection

****

1/4 8/29/13

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1009.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 75 ppb

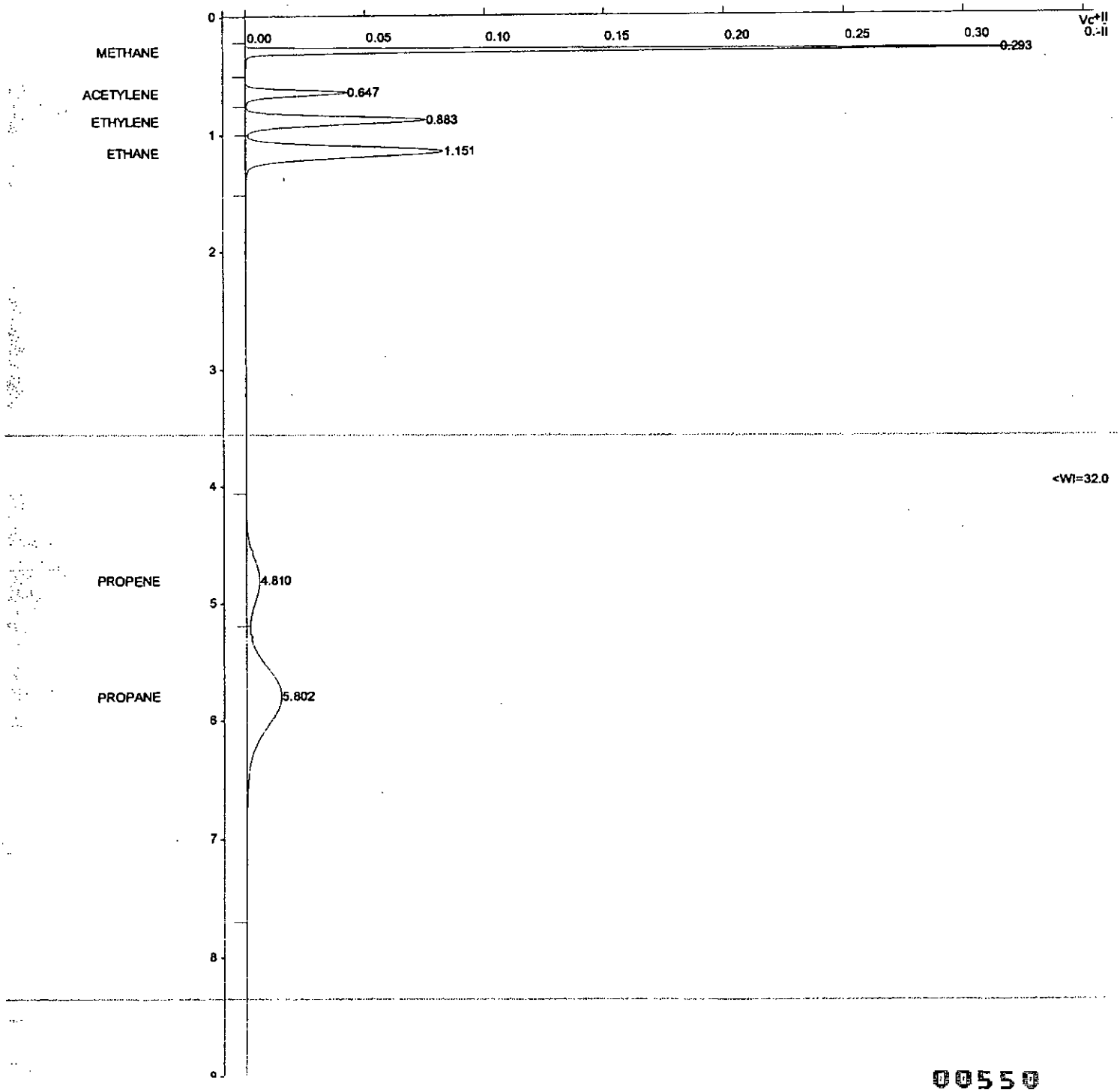
Injection Date: 8/27/2013 10:12 AM Calculation Date: 8/27/2013 10:21 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 1519 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00550

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1009.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 75 ppb

Injection Date: 8/27/2013 10:12 AM Calculation Date: 8/27/2013 10:21 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	80.122	0.293	0.006	566218	BP	1.7	
2	ACETYLENE	144.992	0.647	0.008	151046	PV	3.3	
3	ETHYLENE	71.654	0.883	0.008	370774	VV	4.6	
4	ETHANE	78.822	1.151	0.010	549911	VB	6.2	
5	PROPENE	2.873	4.810	0.038	164897	BV	28.3	
6	PROPANE	56.271	5.802	0.053	574546	VB	35.2	
	Totals:	434.734		0.123	2377392			

Total Unidentified Counts : 0 counts

Detected Peaks: 6 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -61 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 24 microVolts

Manual injection

****

dlh 9/30/13

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1010.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 100 ppm

dlh 9/30/13

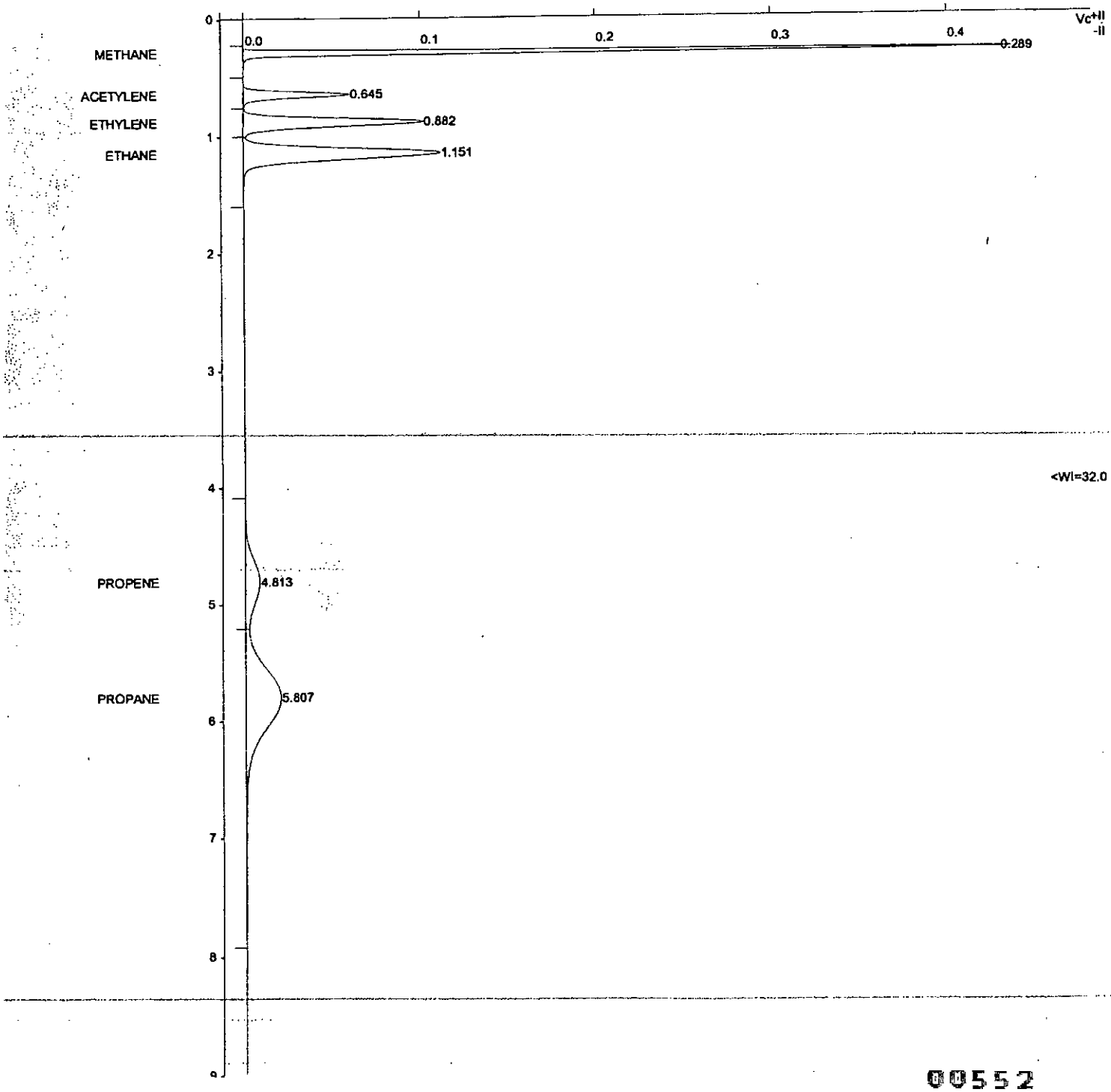
Injection Date: 8/27/2013 10:32 AM Calculation Date: 8/27/2013 10:41 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 2071 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1010.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082613.mth
Sample ID : 100 ppb
lik 9/9/13

Injection Date: 8/27/2013 10:32 AM Calculation Date: 8/27/2013 10:41 AM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	108.494	0.289	0.002	766715	BP	1.6	
2	ACETYLENE	206.386	0.645	0.006	215003	PV	3.3	
3	ETHYLENE	97.906	0.882	0.007	506615	VV	4.6	
4	ETHANE	107.135	1.151	0.009	747435	VB	6.2	
5	PROPENE	4.163	4.813	0.041	238913	BV	27.9	
6	PROPANE	76.346	5.807	0.058	779516	VB	35.3	
	Totals:	600.430		0.123	3254197			

Total Unidentified Counts : 0 counts

Detected Peaks: 6 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -204 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 24 microVolts

Manual injection

****

BW 09/03/13

ALS Environmental-Rochester

Analyst: B Wwojtaslewicz
Date: 08/27/13
Time: 12:27

Method: RSK-175 Dissolved Gases

Instrument I.D.: Varian FID (V2)

ICAL Date: 8/27/2013

ICV EVALUATION

Compound	R.T. WINDOW MIN. FROM	MIN. TO	Time	Area Units	Conc. Result	True Value	Percent Recovery	% LIMITS
Methane	0.19	0.39	0.29	19.54	25.87	26.2	98.7%	70-130
Ethylene	0.78	0.98	0.88	12.56	24.78	24.3	102.1%	70-130
Ethane	1.05	1.25	1.15	18.81	26.25	26.1	100.8%	70-130
Propene	4.71	4.91	4.81	5.45	27.43	24.0	114.1%	70-130
Propane	5.70	5.90	5.80	19.55	26.07	25.5	102.3%	70-130
Acetylene	0.54	0.74	0.64	4.65	49.72	50.1	99.2%	70-130

*LR = Linear Regression
X = Out of Control Limits

dlh 9/3/13

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1014.run
Method File : i:\acqudata\v2\methods\rsk082713.mth
Sample ID : LCS / ICV
BV 09/03/13

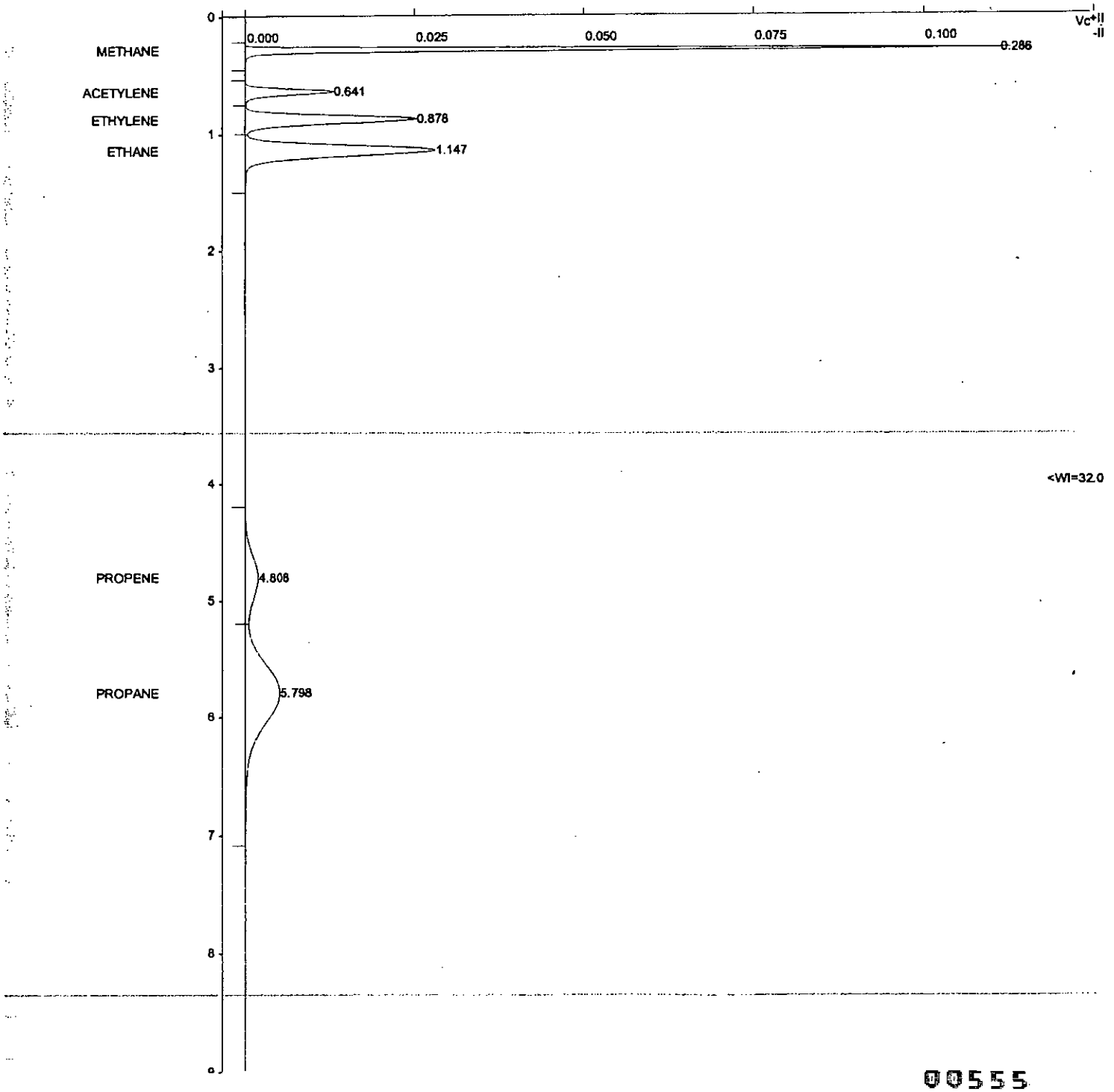
Injection Date: 8/27/2013 12:27 PM Calculation Date: 8/29/2013 12:06 PM

Operator : D HARRIS
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 534 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



Print Date: Fri Aug 30 14:26:34 2013 Page 1 of 1

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\082713\1014.run
Method File : i:\acqudata\v2\methods\rsk082713.mth
Sample ID : LCS / ICV
a~ 09/03/13
Injection Date: 8/27/2013 12:27 PM Calculation Date: 8/29/2013 12:06 PM

Operator : D HARRIS Detector Type: ADCB (1 Volt)
Workstation: DATA Bus Address : 16
Instrument : V2 Sample Rate : 10.00 Hz
Channel : A = A Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No	Peak Name	Result (ug/L)	Ret Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	25.871	0.286	-0.003	195358	BB	1.6	
2	ACETYLENE	49.723	0.641	-0.003	46501	BV	3.3	
3	ETHYLENE	24.778	0.878	-0.002	125557	VV	4.6	
4	ETHANE	26.255	1.147	-0.003	188093	VB	6.2	
5	PROPENE	27.430	4.808	-0.005	54496	BV	28.2	
6	PROPANE	26.070	5.798	-0.008	195478	VB	35.3	
	Totals:	180.127		-0.024	805483			

Total Unidentified Counts : 0 counts

Detected Peaks: 6 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -45 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 21 microVolts

Manual injection

****

00556

JC 5/19/14

ALS Environmental-Rochester

Analyst: J. Cushman
Daily Calibration Date: 5/19/14
Time: 10:24

Method: RSK-175 Dissolved Gases

CCV EVALUATION
ICAL Date: 08/27/13
Instrument I.D.: Varian FID (V2)
Column: Carboxen 1000

Compound	R. T. Window From	To	R. T. Daily 50 Std	Area Units	Avg. R F	R. F. Daily 50 Std	% D	Conc. ppb
Methane	0.18	0.38	0.28	37.308	0.7551	0.7128	5.6%	52.3
Ethylene	0.77	0.97	0.87	25.528	0.5067	0.5253	3.7%	48.6
Ethane	1.04	1.24	1.14	36.659	0.7164	0.7046	1.6%	52.0
Propene	-0.10	0.10			0.1987	0.0000		48.1
Propane	5.67	5.87	5.77	36.067	0.7498	0.7081	5.6%	50.9
Acetylene	0.54	0.74	0.64	10.220	0.0935	0.1021	9.2%	100.1
						Avg %D:	5.1%	(#62941)

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1001.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

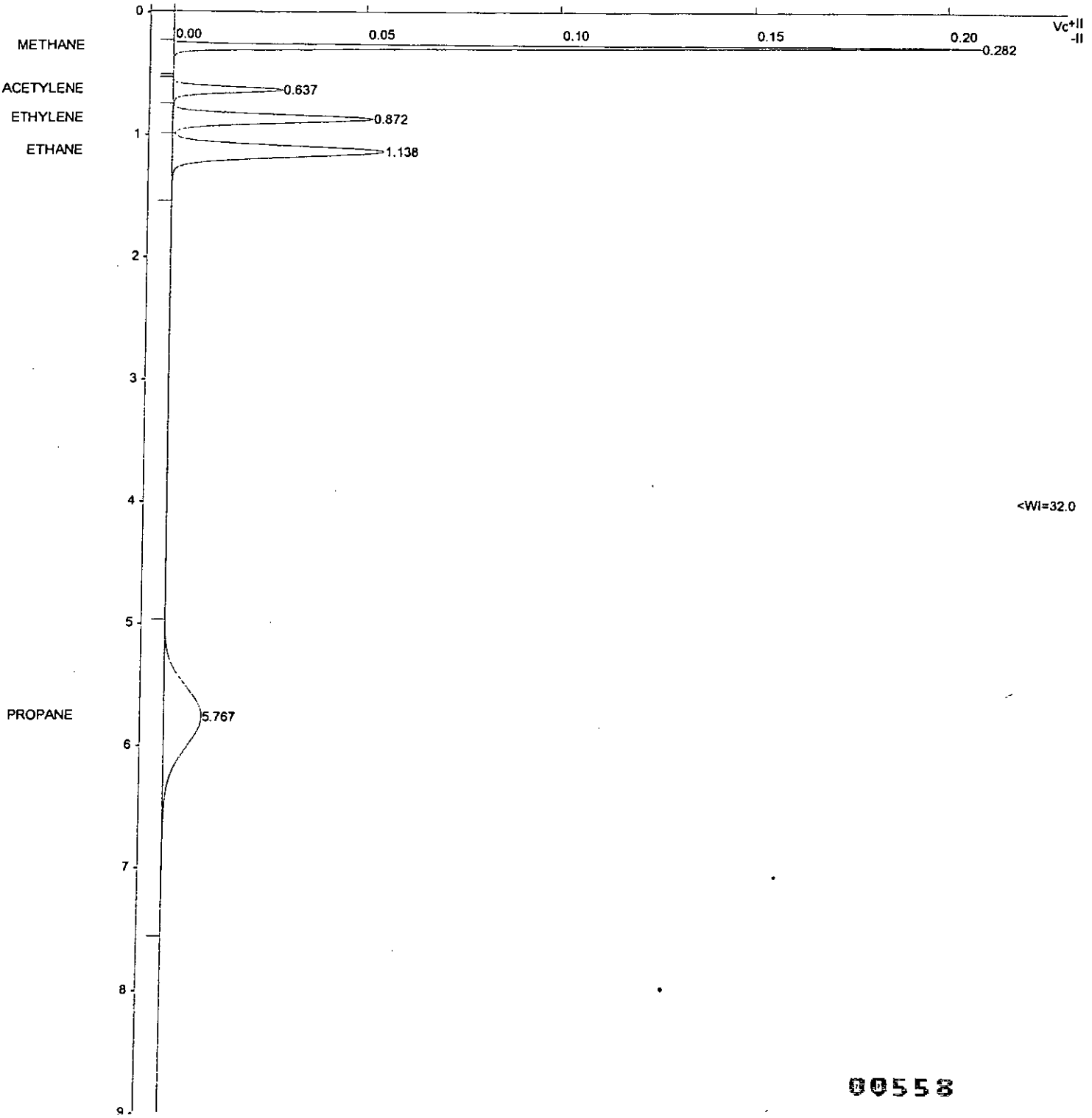
Injection Date: 5/19/2014 10:24 AM Calculation Date: 5/19/2014 10:33 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 986 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00558

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1001.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

Injection Date: 5/19/2014 10:24 AM Calculation Date: 5/19/2014 10:33 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A
Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	49.406	0.282	0.003	373076	BB	1.6	
2	ACETYLENE	109.280	0.637	0.008	102200	BV	3.3	
3	ETHYLENE	50.378	0.872	0.001	255281	VV	4.6	
4	ETHANE	51.169	1.138	0.009	366585	VB	6.2	
5	PROPENE		4.813					M
6	PROPANE	48.102	5.767	0.018	360671	BB	34.4	
	Totals:	308.335		0.039	1457813			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -101 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 25 microVolts

Manual injection

****

JC 5/19/14

ALS Environmental-Rochester

Analyst: J. Cushman
Daily Calibration Date: 5/19/14
Time: 12:50

Method: RSK-175 Dissolved Gases

CCV EVALUATION
ICAL Date: 08/27/13
Instrument I.D.: Varian FID (V2)
Column: Carboxen 1000

Compound	R. T. Window From	R. T. Window To	R. T. Daily 50 Std	Area Units	Avg. R F	R. F. Daily 50 Std	% D	Conc. ppb
Methane	0.18	0.38	0.28	33.696	0.7551	0.6438	14.7%	52.3
Ethylene	0.78	0.98	0.88	23.531	0.5067	0.4842	4.5%	48.6
Ethane	1.04	1.24	1.14	33.317	0.7164	0.6404	10.6%	52.0
Propene	-0.10	0.10			0.1987	0.0000		48.1
Propane	5.68	5.88	5.78	32.840	0.7498	0.6447	14.0%	50.9
Acetylene	0.54	0.74	0.64	10.354	0.0935	0.1035	10.6%	100.1
						Avg %D:	10.9%	(#62941)

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1014.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

JC 5/19/14

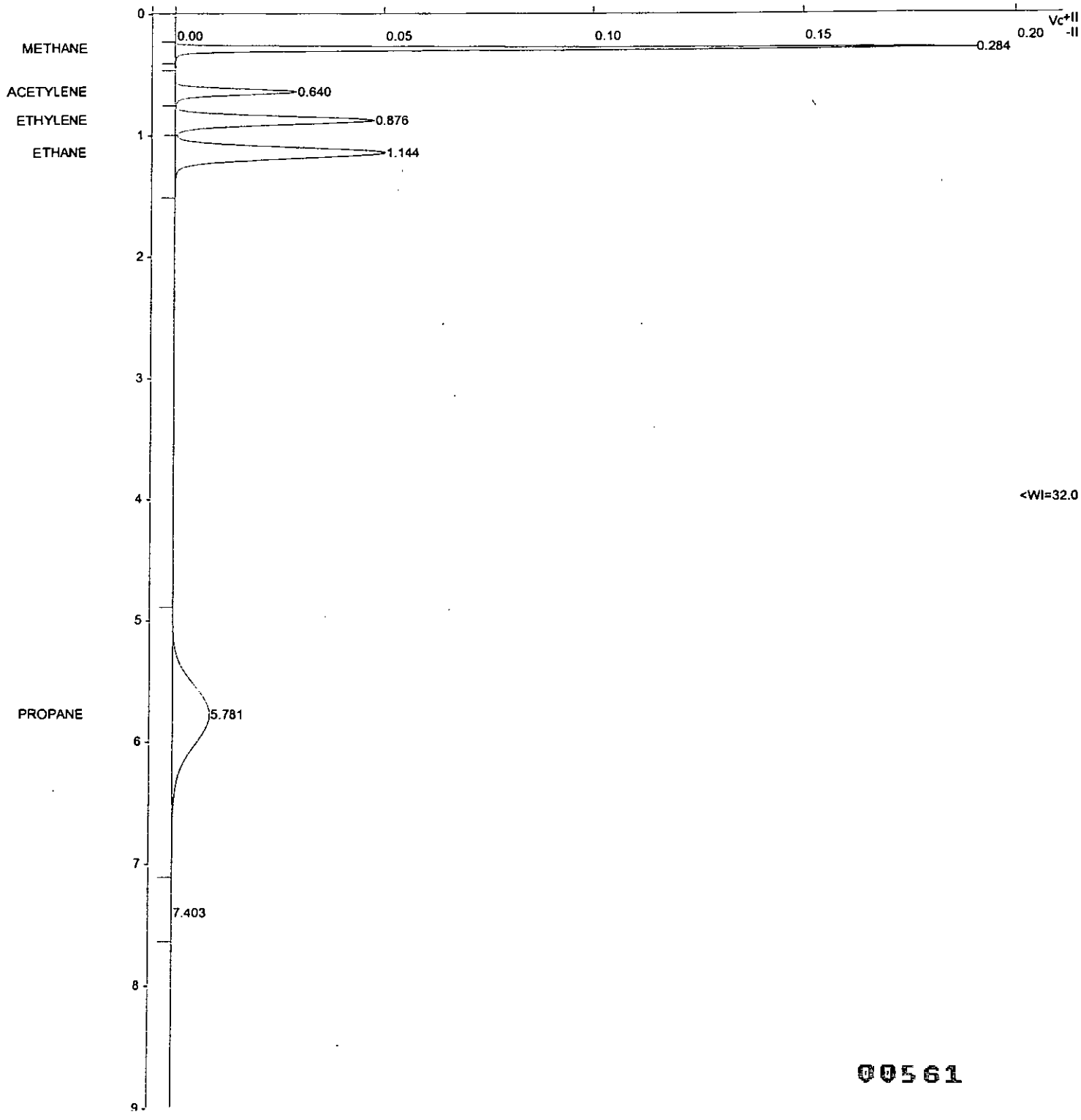
Injection Date: 5/19/2014 12:50 PM Calculation Date: 5/19/2014 12:59 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 906 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00561

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1014.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

Injection Date: 5/19/2014 12:50 PM Calculation Date: 5/19/2014 12:59 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	44.624	0.284	0.005	336964	BV	1.6	
2	ACETYLENE	110.718	0.640	0.011	103544	PV	3.3	
3	ETHYLENE	46.436	0.876	0.005	235307	VV	4.6	
4	ETHANE	46.504	1.144	0.015	333166	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	43.798	5.781	0.032	328400	BV	34.4	
7		0.000	7.403	0.000	631	VB	0.0	
	Totals:	292.080		0.068	1338012			

Status Codes:
M - Missing peak

Total Unidentified Counts : 631 counts

Detected Peaks: 7 Rejected Peaks: 1 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -71 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 20 microVolts

Manual injection

****

JC 5/14/14

ALS Environmental-Rochester

Analyst: J. Cushman
Daily Calibration Date: 5/19/14
Time: 14:42

Method: RSK-175 Dissolved Gases

CCV EVALUATION

ICAL Date: 08/27/13

Instrument I.D.: Varian FID (V2)
Column: Carboxen 1000

Compound	R. T. Window From	To	R. T. Daily 50 Std	Area Units	Avg. R F	R. F. Daily 50 Std	% D	Conc. ppb
Methane	0.18	0.38	0.28	36.242	0.7551	0.6925	8.3%	52.3
Ethylene	0.77	0.97	0.87	26.133	0.5067	0.5377	6.1%	48.6
Ethane	1.03	1.23	1.13	36.035	0.7164	0.6926	3.3%	52.0
Propene	-0.10	0.10			0.1987	0.0000		48.1
Propane	5.65	5.85	5.75	35.541	0.7498	0.6977	6.9%	50.9
Acetylene	0.53	0.73	0.63	11.866	0.0935	0.1186	26.8%	100.1
						Avg %D:	10.3%	(#62941)

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1025.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

JC 5/19/14

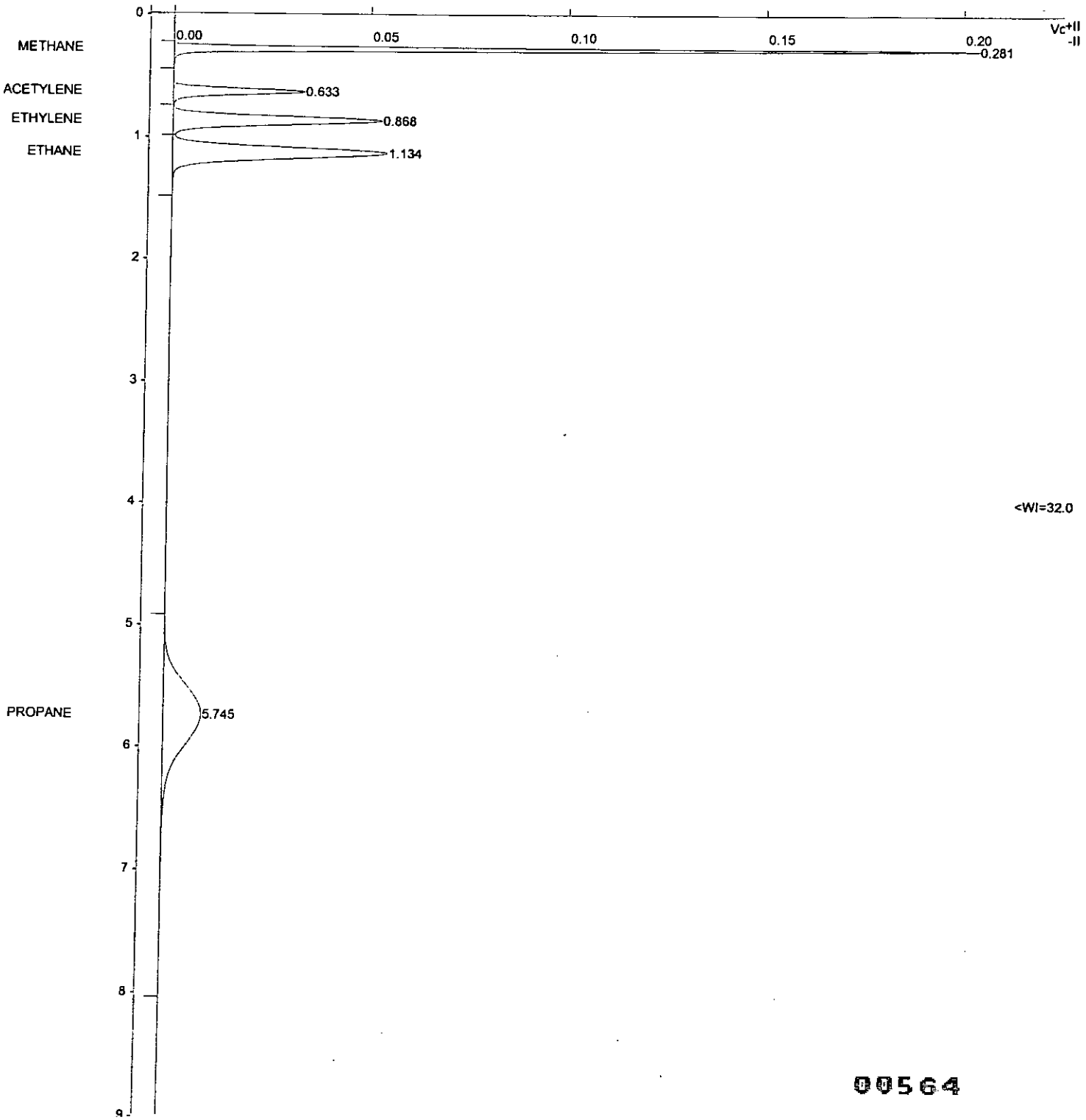
Injection Date: 5/19/2014 2:42 PM Calculation Date: 5/19/2014 2:51 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 966 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00564

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1025.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

Injection Date: 5/19/2014 2:42 PM Calculation Date: 5/19/2014 2:51 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	47.995	0.281	0.002	362419	BV	1.6	
2	ACETYLENE	126.880	0.633	0.004	118659	VV	3.3	
3	ETHYLENE	51.571	0.868	-0.003	261328	VV	4.6	
4	ETHANE	50.299	1.134	0.005	360353	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	47.400	5.745	-0.004	355412	BB	34.3	
	Totals:	324.145		0.004	1458171			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -36 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 29 microVolts

Manual injection

****

JC 5/20/14

ALS Environmental-Rochester

Analyst: J. Cushman
Daily Calibration Date: 5/20/14
Time: 9:04

Method: RSK-175 Dissolved Gases

CCV EVALUATION
ICAL Date: 08/27/13
Instrument I.D.: Varian FID (V2)
Column: Carboxen 1000

Compound	R. T. Window From	R. T. Window To	R. T. Daily 50 Std	Area Units	Avg. R F	R. F. Daily 50 Std	% D	Conc. ppb
Methane	0.18	0.38	0.28	35.725	0.7551	0.6826	9.6%	52.3
Ethylene	0.77	0.97	0.87	24.862	0.5067	0.5116	1.0%	48.6
Ethane	1.03	1.23	1.13	35.386	0.7164	0.6802	5.1%	52.0
Propene	-0.10	0.10			0.1987	0.0000		48.1
Propane	5.64	5.84	5.74	34.740	0.7498	0.6820	9.0%	50.9
Acetylene	0.53	0.73	0.63	9.823	0.0935	0.0982	5.0%	100.1
						Avg %D:	5.9%	(#62941)

JC 5/20/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1001.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

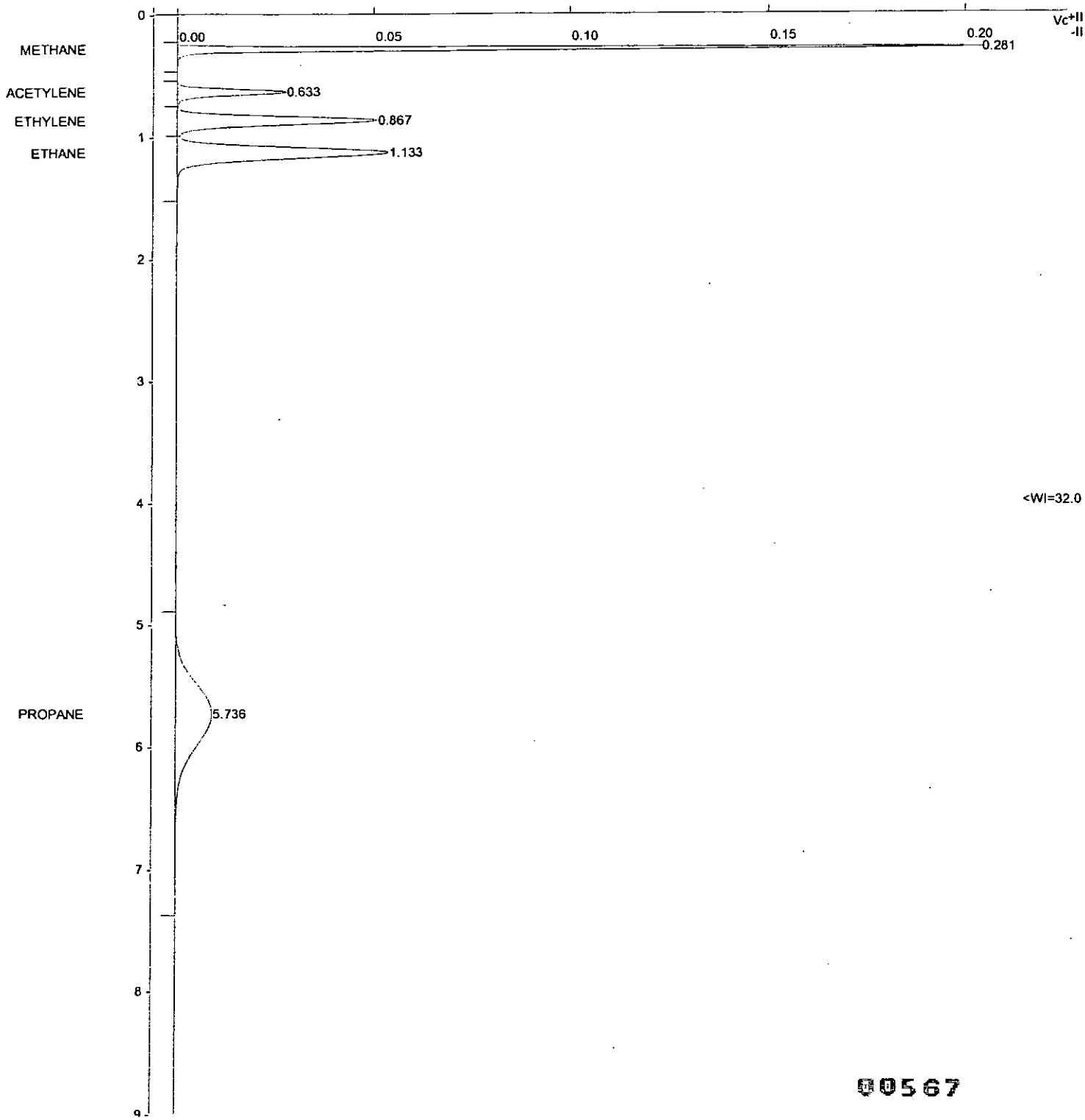
Injection Date: 5/20/2014 9:04 AM Calculation Date: 5/20/2014 9:13 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 969 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00567

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1001.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

Injection Date: 5/20/2014 9:04 AM Calculation Date: 5/20/2014 9:13 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	47.310	0.281	0.002	357246	BB	1.6	
2	ACETYLENE	105.038	0.633	0.004	98233	BV	3.3	
3	ETHYLENE	49.064	0.867	-0.004	248624	VV	4.5	
4	ETHANE	49.393	1.133	0.004	353860	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	46.332	5.736	-0.013	347401	BB	34.3	
	Totals:	297.137		-0.007	1405364			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -68 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 32 microVolts

Manual injection

****

JC 5/20/14

ALS Environmental-Rochester

Analyst: J. Cushman
Daily Calibration Date: 5/20/14
Time: 11:25

Method: RSK-175 Dissolved Gases

CCV EVALUATION
ICAL Date: 08/27/13
Instrument I.D.: Varian FID (V2)
Column: Carboxen 1000

Compound	R. T. Window From	R. T. Window To	R. T. Daily 50 Std	Area Units	Avg. R F	R. F. Daily 50 Std	% D	Conc. ppb
Methane	0.18	0.38	0.28	34.827	0.7551	0.6654	11.9%	52.3
Ethylene	0.77	0.97	0.87	24.777	0.5067	0.5098	0.6%	48.6
Ethane	1.03	1.23	1.13	34.536	0.7164	0.6638	7.3%	52.0
Propene	-0.10	0.10			0.1987	0.0000		48.1
Propane	5.63	5.83	5.73	34.010	0.7498	0.6677	11.0%	50.9
Acetylene	0.53	0.73	0.63	10.751	0.0935	0.1074	14.9%	100.1
						Avg %D:	9.1%	(#62941)

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1014.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth JC 5/20/14
Sample ID : CCV

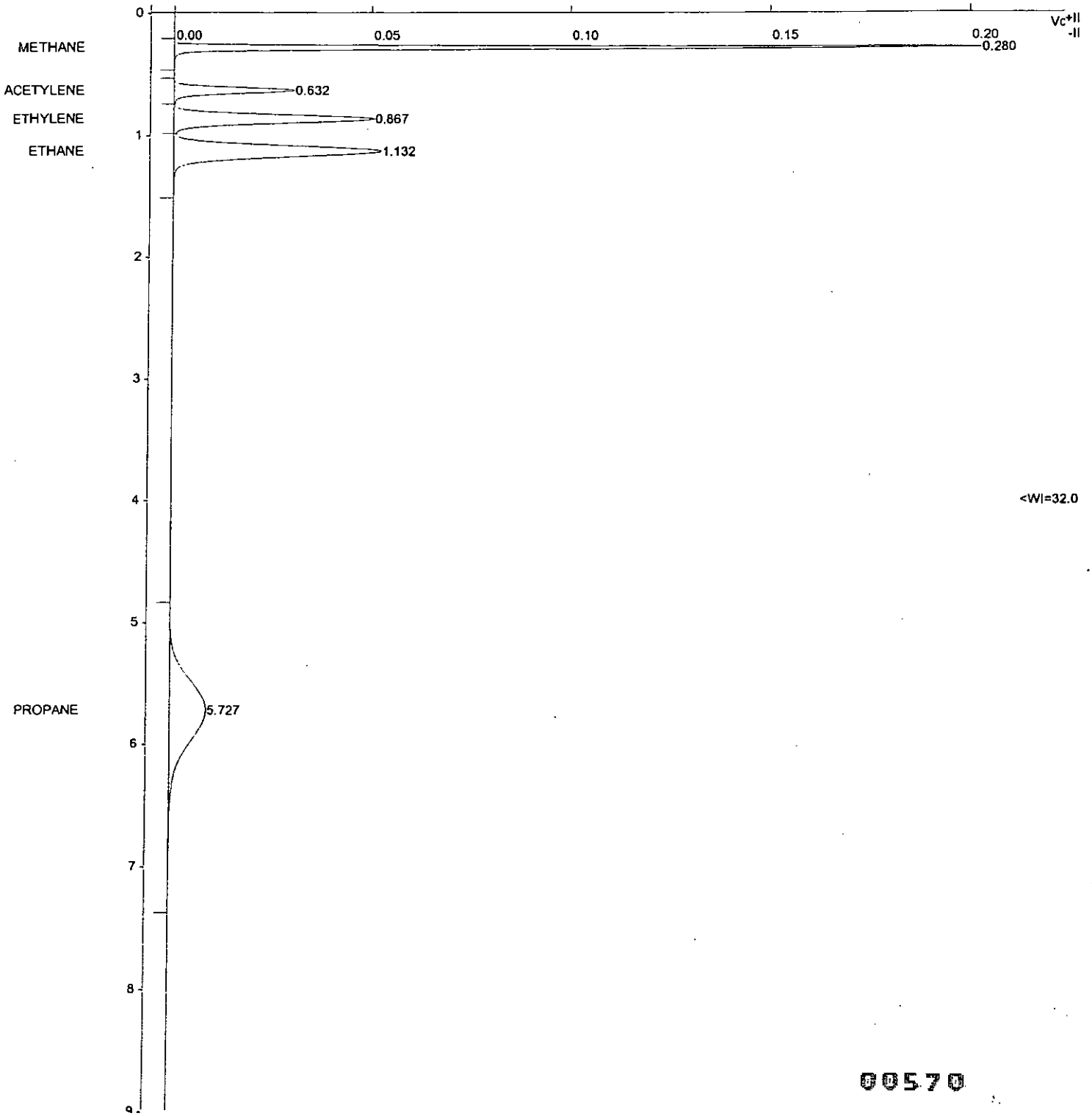
Injection Date: 5/20/2014 11:25 AM Calculation Date: 5/20/2014 11:34 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 959 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00570

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1014.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

Injection Date: 5/20/2014 11:25 AM Calculation Date: 5/20/2014 11:34 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	46.122	0.280	0.001	348272	BB	1.6	
2	ACETYLENE	114.954	0.632	0.003	107506	BV	3.3	
3	ETHYLENE	48.896	0.867	-0.004	247770	VV	4.5	
4	ETHANE	48.206	1.132	0.003	345357	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	45.358	5.727	-0.022	340095	BB	34.2	
	Totals:	303.536		-0.019	1389000			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -59 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 35 microVolts

Manual injection

****

JC 5/20/14

ALS Environmental-Rochester

Analyst: J. Cushman
Daily Calibration Date: 5/20/14
Time: 13:33

Method: RSK-175 Dissolved Gases

CCV EVALUATION
ICAL Date: 08/27/13
Instrument I.D.: Varian FID (V2)
Column: Carboxen 1000

Compound	R. T. Window From	R. T. Window To	R. T. Daily 50 Std	Area Units	Avg. R F	R. F. Daily 50 Std	% D	Conc. ppb
Methane	0.18	0.38	0.28	37.601	0.7551	0.7184	4.9%	52.3
Ethylene	0.77	0.97	0.87	26.866	0.5067	0.5528	9.1%	48.6
Ethane	1.03	1.23	1.13	37.305	0.7164	0.7170	0.1%	52.0
Propene	-0.10	0.10			0.1987	0.0000		48.1
Propane	5.64	5.84	5.74	36.536	0.7498	0.7173	4.3%	50.9
Acetylene	0.53	0.73	0.63	11.643	0.0935	0.1163	24.4%	100.1
						Avg %D:	8.6%	(#62941)

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1025.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

JC 5/20/14

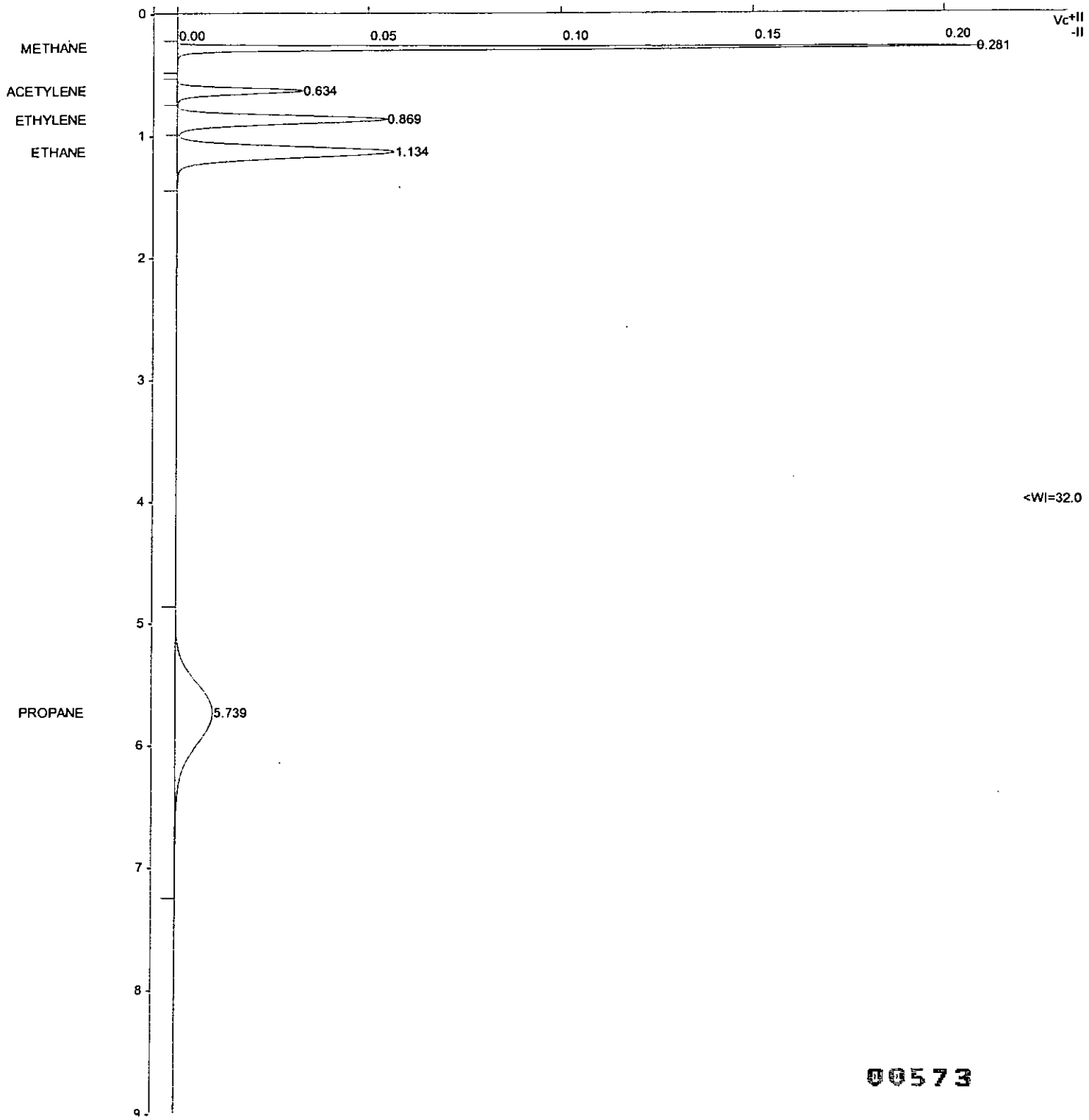
Injection Date: 5/20/2014 1:33 PM Calculation Date: 5/20/2014 1:42 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 996 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00573

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1025.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : CCV

Injection Date: 5/20/2014 1:33 PM Calculation Date: 5/20/2014 1:42 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	49.795	0.281	0.002	376009	BB	1.6	
2	ACETYLENE	124.491	0.634	0.005	116425	BV	3.3	
3	ETHYLENE	53.017	0.869	-0.002	268655	VV	4.5	
4	ETHANE	52.072	1.134	0.005	373051	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	48.727	5.739	-0.010	365360	BB	34.3	
	Totals:	328.102		0.000	1499500			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -10 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 18 microVolts

Manual injection

****

ALS Environmental

RSK 175
RAW QC DATA

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/19/14 10:38
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405270-01	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1002.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1002.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : MBLANK RQ1405270-01

JC 5/19/14

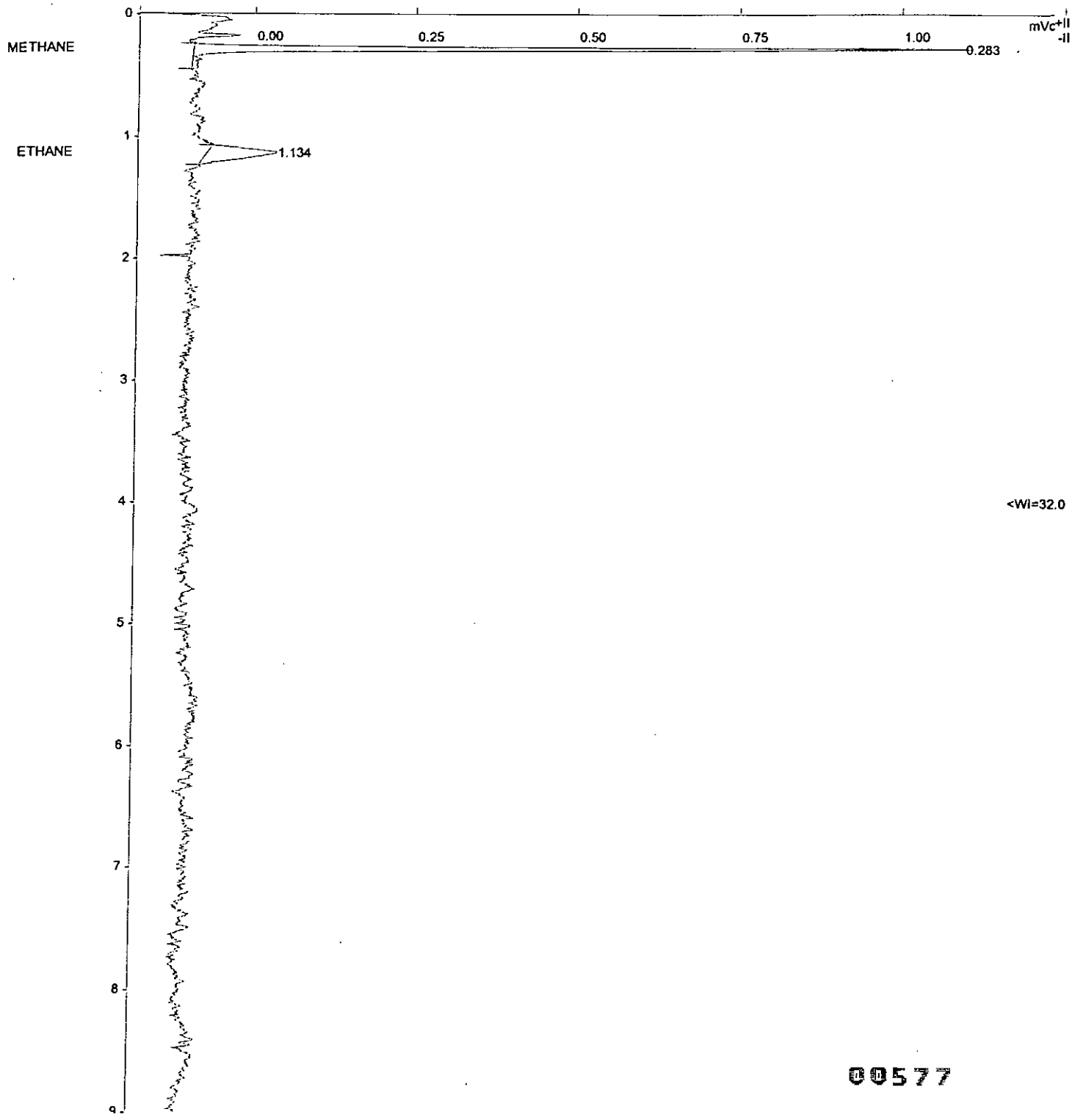
Injection Date: 5/19/2014 10:38 AM Calculation Date: 5/19/2014 10:47 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 5 Zero Offset = 14%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00577

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1002.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : MBLANK

Injection Date: 5/19/2014 10:38 AM Calculation Date: 5/19/2014 10:47 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.294	0.283	0.004	2218	BB	1.7	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE	0.078	1.134	0.005	557	BB	0.0	
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.372		0.009	2775			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 2 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -99 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 27 microVolts

Manual injection

****

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/20/14 09:14
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1405335-01	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1002.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	1.0	U	1.0	

JC 5/20/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1002.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : MBLANK RQ1405335-01

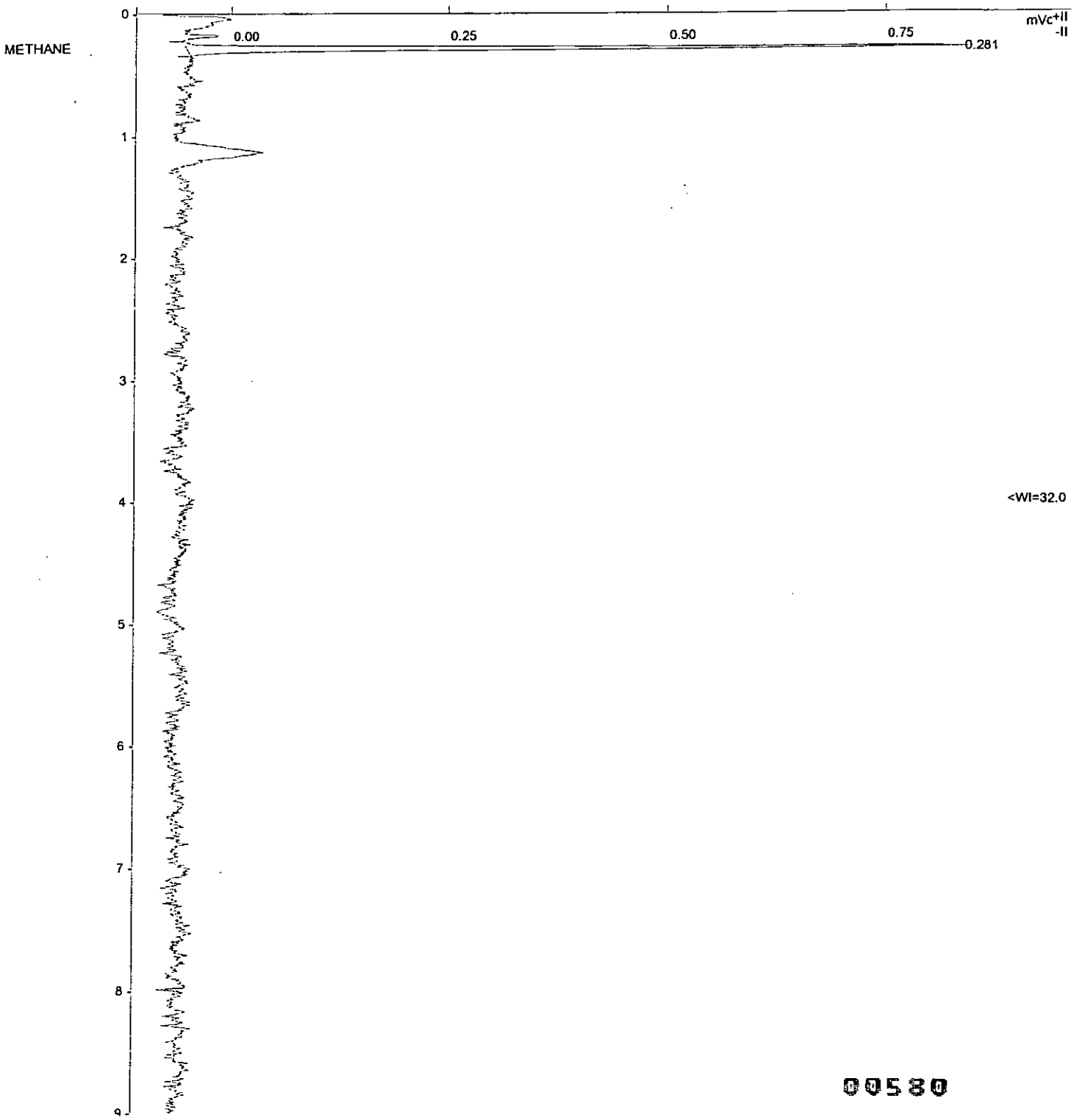
Injection Date: 5/20/2014 9:14 AM Calculation Date: 5/20/2014 9:23 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 4 Zero Offset = 11%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00580

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1002.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : MBLANK

Injection Date: 5/20/2014 9:14 AM Calculation Date: 5/20/2014 9:23 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	0.211	0.281	0.002	1591	BB	1.6	
2	ACETYLENE		0.629					M
3	ETHYLENE		0.871					M
4	ETHANE		1.129					M
5	PROPENE		4.813					M
6	PROPANE		5.749					M
	Totals:	0.211		0.002	1591			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -70 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 22 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/19/14 10:48
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1405270-02	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1003.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	**28.7**		1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1003.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : LCS RQ1405270-02

JC 5/19/14

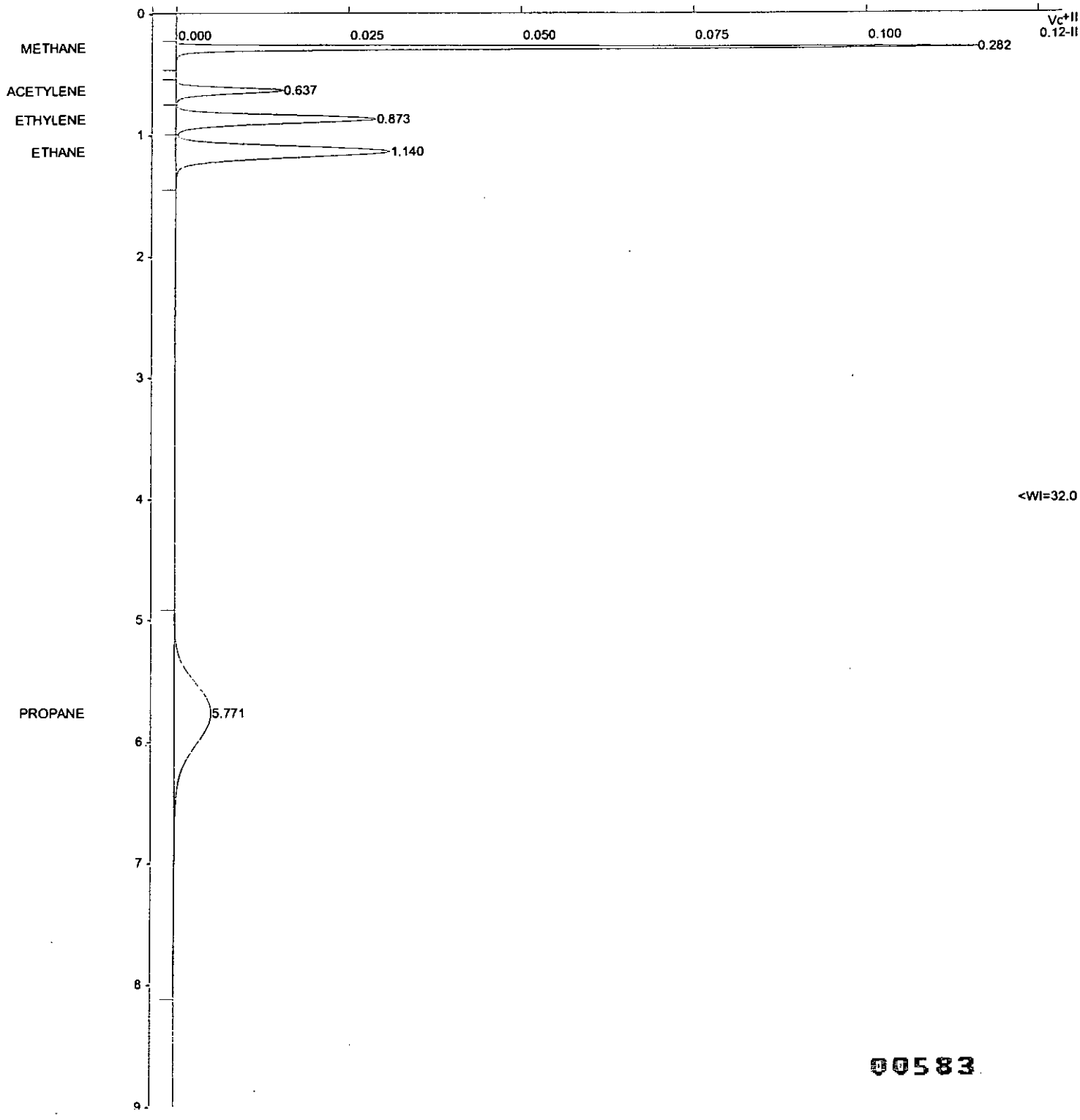
Injection Date: 5/19/2014 10:48 AM Calculation Date: 5/19/2014 10:57 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 551 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00583

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1003.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : LCS

Injection Date: 5/19/2014 10:48 AM Calculation Date: 5/19/2014 10:57 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	27.500	0.282	0.003	207655	BB	1.6	
2	ACETYLENE	59.634	0.637	0.008	55771	BV	3.3	
3	ETHYLENE	28.258	0.873	0.002	143193	VV	4.6	
4	ETHANE	28.695	1.140	0.011	205579	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	27.265	5.771	0.022	204432	BB	34.5	
	Totals:	171.352		0.046	816630			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -110 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 17 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/20/14 09:24
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1405335-02	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1003.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	**26.5**		1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1003.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : LCS RQ1405335-02

JC 5/20/14

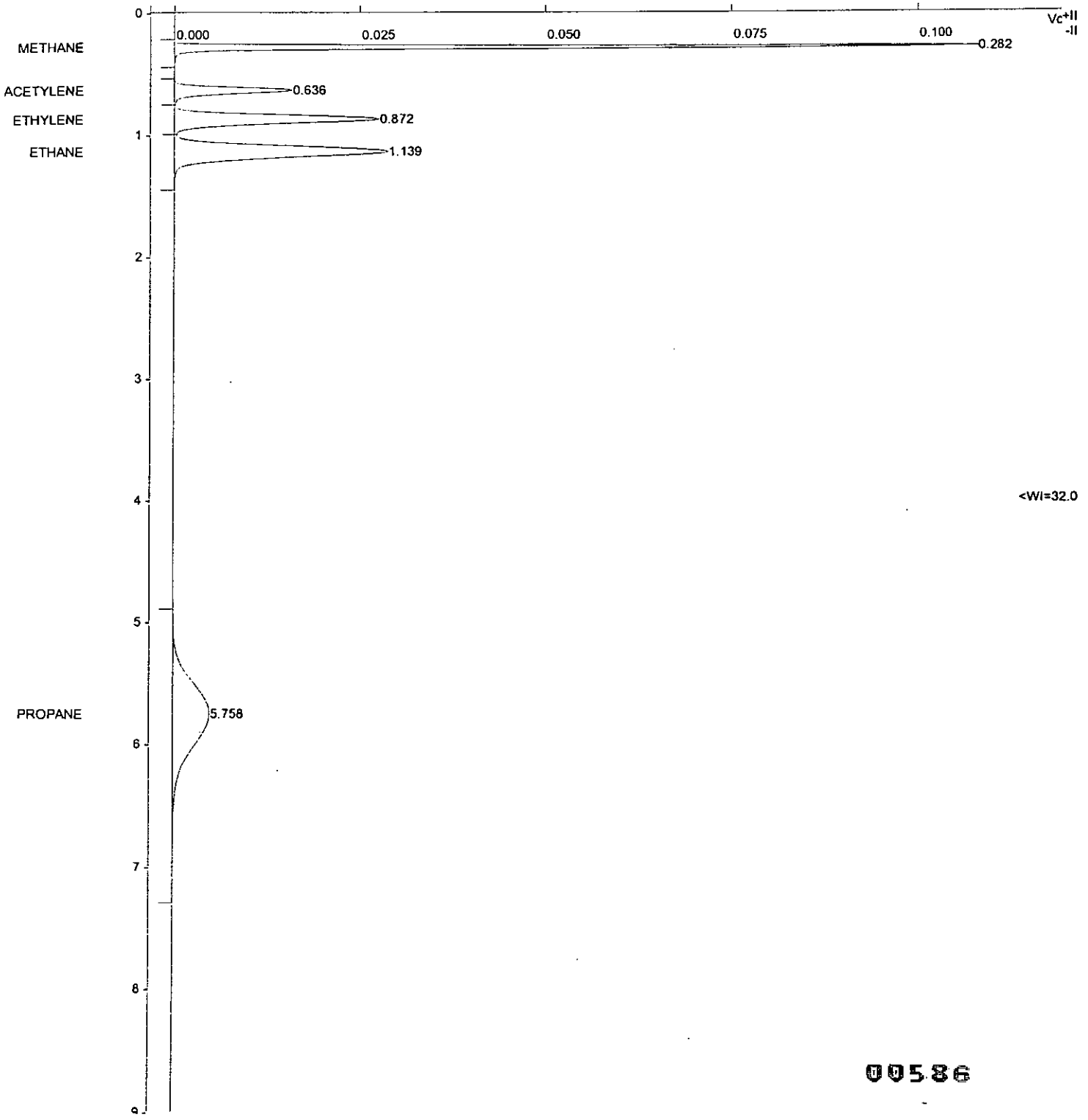
Injection Date: 5/20/2014 9:24 AM Calculation Date: 5/20/2014 9:33 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 512 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00586

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1003.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : LCS

Injection Date: 5/20/2014 9:24 AM Calculation Date: 5/20/2014 9:33 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	25.179	0.282	0.003	190127	BB	1.6	
2	ACETYLENE	60.512	0.636	0.007	56591	BV	3.3	
3	ETHYLENE	26.687	0.872	0.001	135233	VV	4.6	
4	ETHANE	26.498	1.139	0.010	189835	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	24.651	5.758	0.009	184838	BB	34.2	
	Totals:	163.527		0.030	756624			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -77 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 22 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 13:51
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	RQ1405270-03	**Basis:**	NA
Run Type:	Matrix Spike		

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1020.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	**49.3**		1.0	

JC 5/19/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1020.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-017MS, 1 RQ1405270-03

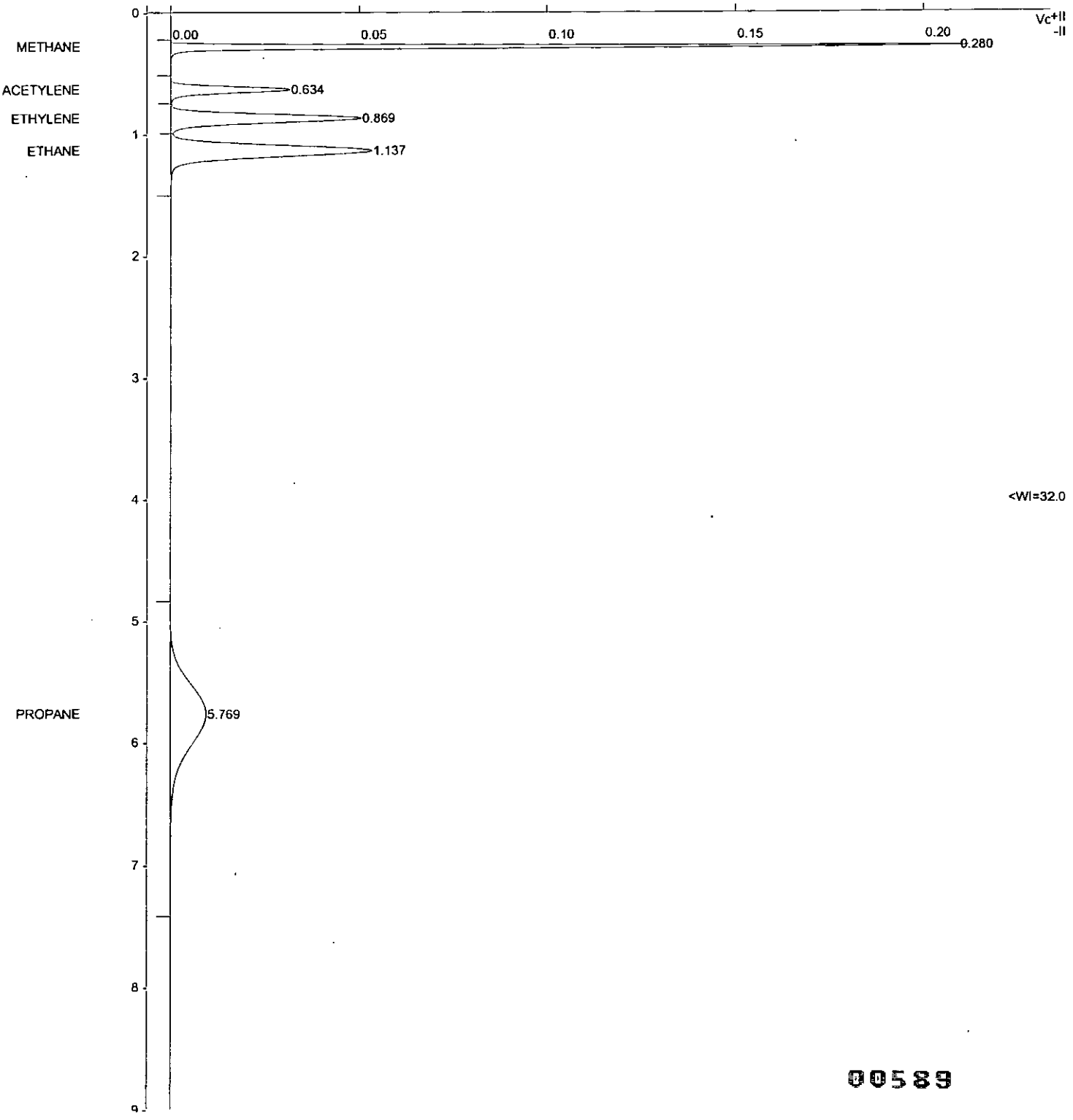
Injection Date: 5/19/2014 1:51 PM Calculation Date: 5/19/2014 2:00 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 1003 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00589

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1020.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-017MS, 1

Injection Date: 5/19/2014 1:51 PM Calculation Date: 5/19/2014 2:00 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	47.813	0.280	0.001	361045	BP	1.6	
2	ACETYLENE	120.675	0.634	0.005	112857	PV	3.3	
3	ETHYLENE	49.164	0.869	-0.002	249129	VV	4.6	
4	ETHANE	49.305	1.137	0.008	353231	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	46.846	5.769	0.020	351253	BB	34.5	
	Totals:	313.803		0.032	1427515			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -57 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 27 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/19/14 14:01
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	RQ1405270-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393120
Data File Name:	1021.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	**48.8**		1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1021.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-017DMS, 1 RQ1405276-04

JC 5/19/14

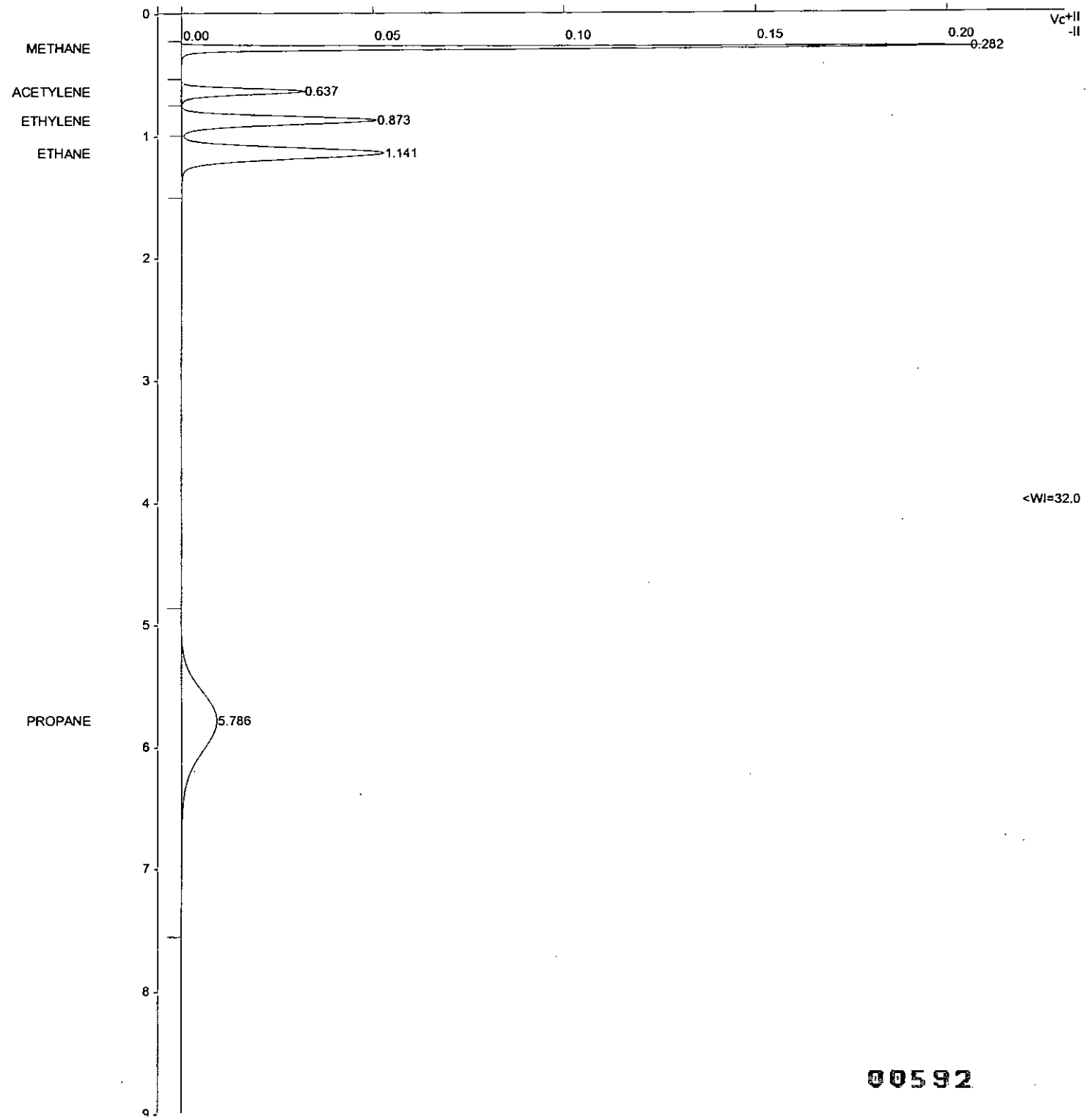
Injection Date: 5/19/2014 2:01 PM Calculation Date: 5/19/2014 2:10 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 990 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00592

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\051914\1021.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-017DMS, 1

Injection Date: 5/19/2014 2:01 PM Calculation Date: 5/19/2014 2:10 PM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	46.930	0.282	0.003	354374	BP	1.5	
2	ACETYLENE	122.291	0.637	0.007	114368	PV	3.3	
3	ETHYLENE	49.477	0.873	0.002	250714	VV	4.6	
4	ETHANE	48.775	1.141	0.012	349435	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	45.994	5.786	0.037	344867	BB	34.4	
	Totals:	313.467		0.061	1413758			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -50 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 34 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1600
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 10:04
Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	RQ1405335-03	**Basis:**	NA
Run Type:	Matrix Spike		

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1007.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	**46.7**		1.0	

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1007.run JC 5/20/14
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-023MS, 1 RQ1405335-03

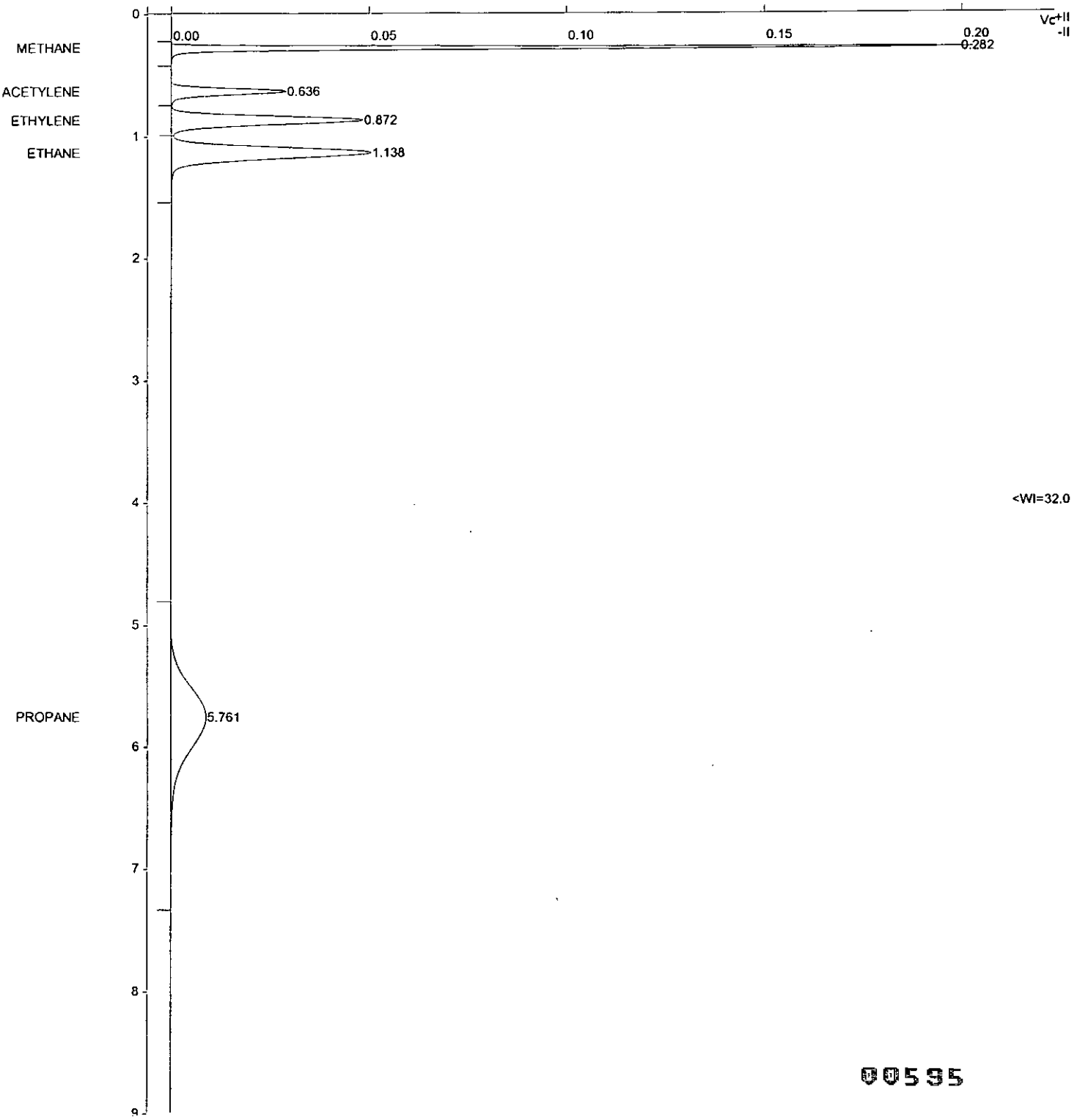
Injection Date: 5/20/2014 10:04 AM Calculation Date: 5/20/2014 10:13 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 959 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00595

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1007.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-023MS, 1

Injection Date: 5/20/2014 10:04 AM Calculation Date: 5/20/2014 10:13 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	44.515	0.282	0.002	336138	BV	1.5	
2	ACETYLENE	110.927	0.636	0.007	103740	VV	3.3	
3	ETHYLENE	47.039	0.872	0.001	238362	VV	4.6	
4	ETHANE	46.695	1.138	0.010	334534	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	43.990	5.761	0.012	329839	BB	34.3	
	Totals:	293.166		0.032	1342613			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -69 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 20 microVolts

Manual injection

****

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1600
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/20/14 10:14
Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	RQ1405335-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Dissolved Gases by GC/FID

Analytical Method:	RSK 175	**Analysis Lot:**	393211
Data File Name:	1008.run	**Instrument Name:**	R-GC-02
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
74-84-0	Ethane	47.6		1.0	

JC/ 5/20/14

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1008.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-023MSD, 1 RQ1405335-04

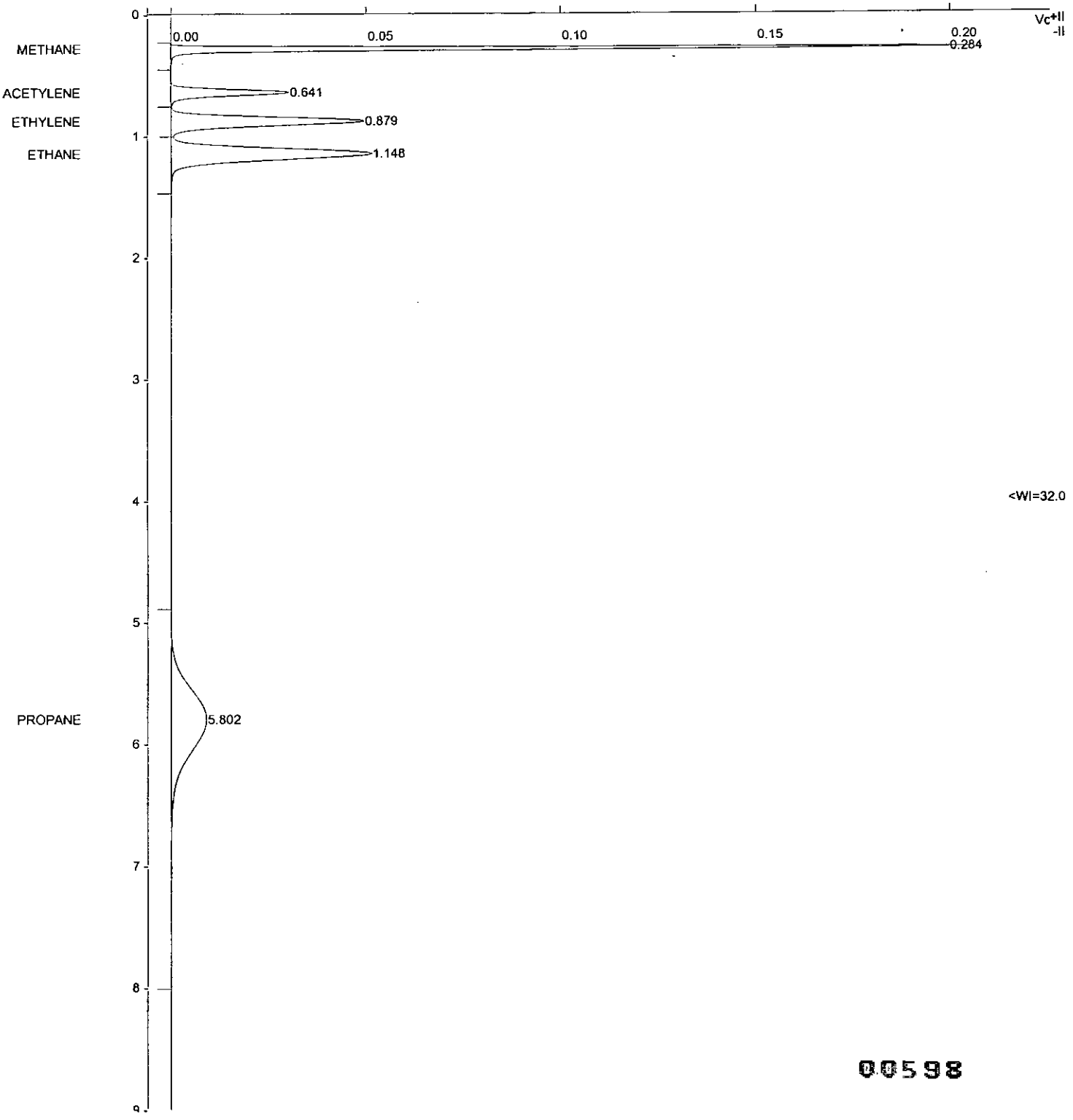
Injection Date: 5/20/2014 10:14 AM Calculation Date: 5/20/2014 10:23 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Chart Speed = 2.19 cm/min Attenuation = 968 Zero Offset = 2%
Start Time = 0.000 min End Time = 9.002 min Min / Tick = 1.0(



00598

Title : RSK.175
Run File : I:\ACQUDATA\V2\DATA\052014\1008.run
Method File : I:\ACQUDATA\V2\METHODS\RSK082713.mth
Sample ID : R1403523-023MSD, 1

Injection Date: 5/20/2014 10:14 AM Calculation Date: 5/20/2014 10:23 AM

Operator : J CUSHMAN
Workstation: DATA
Instrument : V2
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 9.002 min

** Star Chromatography Workstation Version 5.2 ** 00161-4e08-cd1-22a9 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (ug/L)	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1	METHANE	45.488	0.284	0.005	343491	BV	1.5	
2	ACETYLENE	115.861	0.641	0.012	108354	VV	3.3	
3	ETHYLENE	48.253	0.879	0.008	244516	VV	4.6	
4	ETHANE	47.577	1.148	0.019	340847	VB	6.1	
5	PROPENE		4.813					M
6	PROPANE	45.111	5.802	0.053	338249	BB	34.4	
	Totals:	302.290		0.097	1375457			

Status Codes:
M - Missing peak

Total Unidentified Counts : 0 counts

Detected Peaks: 5 Rejected Peaks: 0 Identified Peaks: 6

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -72 microVolts

Noise (used): 40 microVolts - fixed value
Noise (monitored before this run): 21 microVolts

Manual injection

****

Analysis: RSK.175
Date: 8/27/13
Instr. V2

Analyst: Dan Harris, Ben Wa, reviewer
Data Path: Z:\ACQDATA\ V2 \DATA\ 082713

Run Method: rsk082713.M

LIMS Run#:

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
	Blank								1	Y	
	He Blank								1001	Y	
	TCAL Blank								1002	(N)	Acetylene ↑
	1 ppb		25 mL of 20 ppb						1003	Y	
	1 ppb		~~25 mL of 100 ppb~~ "						1004	(N)	Propane ↓
	2 ppb		50 mL of 20 ppb						1005	(N)	Propane ↓
	10 ppb		100 mL of 50 ppb						1006	Y	
	10 ppb		"						1007	Y	
	20 ppb		8 mL 1° mix / 42.5 mL						1008	Y	
	50 ppb		20 mL " "						1009	Y	
	75 ppb		30 mL " "						1010	Y	
	100 ppb		40 mL " "						1011	Y	
	2 ppb		50 mL of 50 ppb						1014	Y	
	ICV										

All samples = NA mL + NA uL Surrogate; NA mL purged

1x dil 9/3/13

Primary Mix : 49492
Primary Propane : 27095 (Bw)
Primary :
Primary :

Secondary Mix : 49493
Secondary Propane : 27095 (Tw)
Secondary :
Secondary :

10 mL/42.5 mL = ICV

Surrogate : NA

00906

0118

Analysis: RSK 175 Analyst: J. Cushman Run Method: RSK082713

Date: 5/19/14 Data Path: J:\ACQDATA\ V2 \DATA\ 05 1914

Instr. V2 LIMS Run#: 393120

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
	He Blank	-	-				-	-	1	-	
	CCV	-	-				1	-	1001	Y	
	MBlank	-	-				1	-	1002	Y	J- level methane (NT)
	LCS	-	-				1	-	1003	Y	
	R1403523-001	1	-	[redacted]	9010	IV	1	<2	1004	Y	
	-002	1	-				1	<2	1005	Y	
	-003	1	-				1	<2	1006	Y	
	-004	1	-				1	<2	1007	Y	
	-005	1	-				1	<2	1008	Y	
	-006	1	-				1	<2	1009	Y	
	-007	1	-				1	<2	1010	Y	
	-008	1	-				1	<2	1011	Y	
	-009	1	-				1	<2	1012	Y	
	-010	1	-				1	<2	1013	Y	
	CCV	-	-				1	-	1014	Y	
	R1403523-011	1	-	[redacted]	9010	IV	1	<2	1015	Y	
	-012	1	-				1	<2	1016	Y	
	-013	1	-				1	<2	1017	Y	
	-016	1	-				1	<2	1018	Y	
	-017	1	-				1	<2	1019	Y	
	-017 MS	1	-				1	<2	1020	Y	
	-017 DMS	1	-				1	<2	1021	Y	
	-018	1	-				1	<2	1022	Y	
	-019	1	-				1	<2	1023	Y	
	-020	1	-				1	<2	1024	Y	
	CCV	-	-				1	-	1025	Y	

JC 5/19/14

All samples = NA mL + NA uL Surrogate; NA mL purged

Primary : 62941 20 uL/42.5 mL CCV Secondary : 62942 10 uL/42.5 mL LCS Surrogate : NA

Primary :
Primary :
Primary :

MS
DMS

Secondary :
Secondary :
Secondary :

Analysis: RSK 175 Analyst: J. Cushman

Date: 5/20/14 Data Path: J:\ACQDATA\ V2 \DATA\052014 Run Method: RSK082713

Instr. V2 LIMS Run#: 393211

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
	He Blank	-	-				-	-	1	-	
	CCV	-	-				1	-	1001	Y	
	MBlank	-	-				1	-	1002	Y	J- level mthane
	LCS	-	-				1	-	1003	Y	
	R1403523-021	1	-	[redacted]	9010	IV	1	<2	1004	Y	
	-022	1	-				1	<2	1005	Y	
	-023	1	-				1	<2	1006	Y	
	-023 MS	1	-				2	<2	1007	Y	
	-023 MSD	1	-				3	<2	1008	Y	
	-025	1	-				1	<2	1009	Y	
	-026	1	-				1	<2	1010	Y	
	J1403507-002	1	-	[redacted]	979	II	1	<2	1011	Y	
	-003	1	-				1	<2	1012	Y	
	-004	1	-				1	<2	1013	Y	
	CCV						2	-	1014	Y	
	J1403539-003	1	-	[redacted]	979	II	1	<2	1015	(Y)	over range, repeat @ 1/10
	-003	10	50 mL inject		2722		1	<2	1016	(N)	over range, repeat @ 1/20
	-004	1	-				1	<2	1017	(Y)	over range, repeat @ 1/20
	-005	10	50 mL inject				1	<2	1018	(N)	Power failure, repeat @ 1/20
	-006	10	50 mL inject		979		1	<2	1019	(N)	Wrong QC Program, repeat @ 1/20
	-003	20	(5mL/50mL) 250 µL inject		2722		2	<2	1020	Y	DL
	-004	20	(5mL/50mL) 250 µL inject				2	<2	1021	Y	DL
	-005	20	(5mL/50mL) 250 µL inject				2	<2	1022	(N)	over range, repeat @ 1/40 (Syringe issue)
	-005	40	(5mL/50mL) 125 µL inject				2	<2	1023	(N)	over range, change syringe, repeat
	-006	20	(5mL/50mL) 250 µL inject				2	<2	1024	(N)	over range, repeat @ DL
	CCV							-	1025	Y	

JC 5/20/14

All samples = NA mL + NA uL Surrogate; NA mL purged

Primary : 62941 20 mL/42.5 mL CCV
Primary :
Primary : MS
Primary : DMS

Secondary : 62942 10 mL/42.5 mL LCS
Secondary :
Secondary :
Secondary :

Surrogate : NA

ALS Environmental

METALS DATA

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Environmental

METALS

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: R1403523 SDG No.: M-25D

Lab Code: Case No.: SAS No.:

SOW No.: SW846 CLP-M

Sample ID.	Lab Sample No.
SW-B	R1403523-010
13D	R1403523-022
M-27D	R1403523-023
M-27DD	R1403523-023D
M-27DS	R1403523-023S
DUP-2	R1403523-026

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See Attatched Case Narrative

Signature: Karen Bunker Name: Karen Bunker

Date: 6/12/14 Title: Project Manager

00504

ALS Environmental

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-B

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Lab Sample ID: R1403523-010

Level (low/med): LOW Date Received: 5/14/2014

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.770	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

ALS Environmental

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

13D

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Lab Sample ID: R1403523-022

Level (low/med): LOW Date Received: 5/15/2014

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	63.5			P

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments: _____

ALS Environmental

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

M-27D

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Lab Sample ID: R1403523-023

Level (low/med): LOW Date Received: 5/15/2014

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.3	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

ALS Environmental

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Lab Sample ID: R1403523-026

Level (low/med): LOW Date Received: 5/15/2014

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.2	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

00608

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium	500	510	102	500	509	102	510	102	P

Comments:

00609

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium				500	504	101	502	100	P

Comments:

00610

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				500	504	101	510	102	P

Comments:

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: M-25D

AA CRDL Standard Source: ACCUSTANDARD

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Chromium				10.0	9.71	97	9.07	91

Comments:

METALS

-3-

BLANKS

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium	0.513	U	0.513	U	0.513	U	0.513	U	0.688	J	P

Comments:

METALS

-3-

BLANKS

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			0.513	U	0.513	U	-0.629	J			P

Comments:

METALS

-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

ICP ID Number: Optima ICP 4 ICS Source: PERKIN ELMER

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Chromium		500	-1.6	520	104	-1.9	514	103

ALS Environmental

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DS

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	75 - 125	203.00		1.25	J	200.0	101		P

Comments:

METALS
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.: M-27DA

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium		200.00		1.25	J	200.0	99		P

Comments: _____

METALS
-6-
DUPLICATES

SAMPLE NO.

M-27DD

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		1.25	J	1.39	J	11		P

Comments: _____

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Chromium	200	190	95					

Comments: _____

METALS

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.: M-27DL

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Chromium	1.25	J	2.57	U	100.0		P

Comments: _____

METALS

-10-

DETECTION LIMITS

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

ICP ID Number: Optima ICP 4 Date: 2/4/2014

Flame AA ID Number: _____

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	PQL ug/L	MDL ug/L	M
Chromium	267.716		10.0	0.5	P

Comments: _____

ALS Environmental

METALS

-11A-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

ICP ID Number: Optima ICP 4 Date: 5/21/2014

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	308.215	0.0000000	0.2182520	0.0000000	0.1277700	17.7376003
Antimony	206.836	0.0000000	0.0000000	0.0000000	0.0000000	-2.7291999
Arsenic	188.979	0.0262458	0.0000000	-0.1090120	0.0000000	3.6858201
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.107	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.772	0.2080200	0.1125670	5.6524801	0.0000000	0.0000000
Cadmium	226.502	-0.0035689	0.0000000	0.0920004	0.0000000	0.0000000
Calcium	227.546	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0021197	-0.0534332	-0.0215615	-0.1136230
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.2171010
Copper	324.752	0.0000000	0.0000000	-0.1880200	0.0283253	0.8045420
Iron	259.939	0.0000000	0.0000000	0.0000000	0.0159475	-1.1048200
Lead	220.353	-0.1269440	-0.0150347	0.0000000	-0.0069978	-1.7022901
Magnesium	279.077	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.031	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0215778	0.0198022	-0.3839170	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0513917	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	-4.9455299	-1.0395401	-54.2507019
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.801	0.0185976	0.0000000	-0.0409431	-0.0148306	-0.6302190
Tin	189.927	0.0000000	-0.1482270	0.0000000	0.0000000	5.4941502
Titanium	337.279	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	-0.0447080	0.0000000	-0.2022050
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments: _____

METALS
-12-
ICP LINEAR RANGES (QUARTERLY)

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

ICP ID Number: Optima ICP 4 Date: 3/8/2014

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Chromium	0.200	10000	P

Comments: _____

METALS

-13-

PREPARATION LOG

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-25D

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
LCSW	5/20/2014	50.0	50.0
PBW	5/20/2014	50.0	50.0
SW-B	5/20/2014	50.0	50.0
13D	5/20/2014	50.0	50.0
M-27D	5/20/2014	50.0	50.0
M-27DD	5/20/2014	50.0	50.0
M-27DS	5/20/2014	50.0	50.0
DUP-2	5/20/2014	50.0	50.0

Comments:

METALS
-14-

ANALYSIS RUN LOG

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: M-25D

Instrument ID Number: Optima ICP 4 Method: P

Start Date: 5/21/2014 End Date: 5/22/2014

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Calib Blank 1	1.00	14:11									X																		
Calib Std 1	1.00	14:18									X																		
Calib Std 2	1.00	14:23																											
Calib Std 3	1.00	14:29									X																		
Calib Std 4	1.00	14:33									X																		
Calib Std 5	1.00	14:40									X																		
ICV1	1.00	14:44									X																		
ICB1	1.00	14:51									X																		
ZZZZZZ	1.00	14:57																											
ZZZZZZ	1.00	15:03																											
ZZZZZZ	1.00	15:10																											
ZZZZZZ	1.00	15:16																											
ZZZZZZ	1.00	15:23																											
ZZZZZZ	1.00	15:29																											
ZZZZZZ	1.00	15:35																											
ZZZZZZ	1.00	15:41																											
ZZZZZZ	1.00	15:47																											
ZZZZZZ	1.00	15:54																											
ZZZZZZ	5.00	16:00																											
ZZZZZZ	1.00	16:06																											
ZZZZZZ	1.00	16:12																											
ZZZZZZ	1.00	16:18																											
ZZZZZZ	1.00	16:25																											
ZZZZZZ	1.00	16:31																											
ZZZZZZ	1.00	16:37																											
ZZZZZZ	1.00	16:43																											
ZZZZZZ	1.00	16:50																											
ZZZZZZ	1.00	16:57																											
ZZZZZZ	5.00	17:03																											
ZZZZZZ	1.00	17:09																											
ZZZZZZ	1.00	17:15																											
ZZZZZZ	1.00	17:21																											
ZZZZZZ	1.00	17:27																											

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS
-14-

ANALYSIS RUN LOG

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: M-25D

Instrument ID Number: Optima ICP 4 Method: P

Start Date: 5/21/2014 End Date: 5/22/2014

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	17:34																										
ZZZZZZ	1.00	17:40																										
ZZZZZZ	1.00	17:46																										
ZZZZZZ	1.00	17:52																										
ZZZZZZ	1.00	17:58																										
ZZZZZZ	1.00	18:05																										
ZZZZZZ	1.00	18:11																										
ZZZZZZ	1.00	18:17																										
ZZZZZZ	1.00	18:21																										
ZZZZZZ	1.00	18:28																										
ZZZZZZ	1.00	18:34																										
ZZZZZZ	1.00	18:40																										
ZZZZZZ	1.00	18:46																										
ZZZZZZ	1.00	18:52																										
ZZZZZZ	1.00	18:58																										
ZZZZZZ	5.00	19:05																										
ZZZZZZ	1.00	19:11																										
ZZZZZZ	1.00	19:17																										
ZZZZZZ	1.00	19:23																										
ZZZZZZ	1.00	19:30																										
ZZZZZZ	1.00	19:36																										
ZZZZZZ	1.00	19:42																										
ZZZZZZ	1.00	19:48																										
ZZZZZZ	1.00	19:54																										
ZZZZZZ	1.00	20:01																										
ZZZZZZ	5.00	20:07																										
ZZZZZZ	1.00	20:13																										
ZZZZZZ	1.00	20:19																										
ZZZZZZ	1.00	20:25																										
ZZZZZZ	1.00	20:31																										
ZZZZZZ	1.00	20:38																										
CCV1	1.00	20:44									X																	
CCB1	1.00	20:50									X																	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS
-14-

ANALYSIS RUN LOG

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: M-25D

Instrument ID Number: Optima ICP 4 Method: P

Start Date: 5/21/2014 End Date: 5/22/2014

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CRDL1	1.00	20:56									X																
ICS-A1	1.00	21:02									X																
ZZZZZZ	1.00	21:09																									
ICS-AB1	1.00	21:16									X																
CCV2	1.00	21:22									X																
CCB2	1.00	21:28									X																
PBW	1.00	21:35									X																
LCSW	1.00	21:41									X																
ZZZZZZ	1.00	21:48																									
ZZZZZZ	1.00	21:54																									
ZZZZZZ	1.00	22:00																									
ZZZZZZ	1.00	22:07																									
ZZZZZZ	1.00	22:13																									
ZZZZZZ	1.00	22:19																									
ZZZZZZ	1.00	22:25																									
ZZZZZZ	1.00	22:32																									
CCV3	1.00	22:38									X																
CCB3	1.00	22:44									X																
ZZZZZZ	1.00	22:50																									
ZZZZZZ	1.00	22:57																									
ZZZZZZ	1.00	23:03																									
SW-B	1.00	23:10									X																
13D	1.00	23:16									X																
M-27D	1.00	23:22									X																
M-27DD	1.00	23:29									X																
M-27DS	1.00	23:35									X																
M-27DA	1.00	23:41									X																
M-27DL	5.00	23:47									X																
CCV4	1.00	23:53									X																
CCB4	1.00	00:00									X																
DUP-2	1.00	00:06									X																
ZZZZZZ	1.00	00:12																									
ZZZZZZ	1.00	00:18																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS
-14-

ANALYSIS RUN LOG

Contract: R1403523

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: M-25D

Instrument ID Number: Optima ICP 4 Method: P

Start Date: 5/21/2014 End Date: 5/22/2014

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV5	1.00	00:25									X																	
CCB5	1.00	00:31									X																	
CRDL2	1.00	00:37									X																	
ICS-A2	1.00	00:43									X																	
ICS-AB2	1.00	00:50									X																	
CCV6	1.00	00:57									X																	
CCB6	1.00	01:03									X																	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals Cover Page

Analyst: DCB Date: 5/21/14 Instrument: Opt 4

Data File: 4May21a Reviewed By: DCB Entered By: DCB

Approval: TCS 5/22/14

Starlims Run #	Analytes Used	Batch ID	Method	Failed Analytes	Repeats
393704	Al Ca Fe K Mg Mn	208542	200.7	Na	
393705	Ag Cd Cr Fe Mn Pb Sb	208848	6010		R 3619 As Cr
					R 3466-011 Fe

Package Data:

Client Sub#	TIER	Analytes Used	Batch ID	Raw Data Copied?
R 3252	III / (IV) / ILM	Al Ca Fe K Mg Mn	208542	Yes / No
R 3466	III / (IV) / ILM	Cd Fe Mn Pb Sb	208848	Yes / No
R-3523	III / (IV) / ILM	Cr	208848	Yes / No
	III / IV / ILM			Yes / No
	III / IV / ILM			Yes / No
	III / IV / ILM			Yes / No
	III / IV / ILM			Yes / No
	III / IV / ILM			Yes / No

Analysis Begun

Start Time: 5/21/2014 2:11:47 PM
Logged In Analyst: alrce.metals04
Spectrometer Model: Optima 5300 DV, S/N 077N6052202
Plasma On Time: 5/14/2014 7:20:07 PM
Technique: ICP Continuous
Autosampler Model: AS-93plus

5/21/14 DCS

Sample Information File: C:\pe\Optima4\Sample Information\routine2.sif
Batch ID:
Results Data Set: 4May21a
Results Library: C:\pe\Optima4\Results\May14.mdb

Method Loaded
Method Name: DV200-6010C Opt4
IEC File: DV052114.iec
Method Last Saved: 5/21/2014 1:23:33 PM
MSF File:
Method Description: 5300DV TAL Metals Method 200.7/6010C-Optima 4

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Al 308.215	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
B 249.772	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Be 313.107	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Cd 226.502	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Cu 324.752	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y 371.029	Yes
Mg 279.077	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Mn 257.610	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Na 589.592	Lin Thru 0	Peak Area	Radial	Y 371.029	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Ti 337.279	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Tl 190.801	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
V 292.402	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Y 371.029	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Ca 227.546	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes
Sr 421.552	Lin Thru 0	Peak Area	Radial	Y 371.029	Yes
Fe 259.939	Lin Thru 0	Peak Area	Axial	Y 371.029	Yes

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 5/21/2014 2:11:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	3977500.5	27202.73	0.68%	1.000	mg/L
Ag 328.068†	1033.9	145.40	14.06%	[0.00]	mg/L
Al 308.215†	4260.5	101.78	2.39%	[0.00]	mg/L
As 188.979†	27.7	0.38	1.37%	[0.00]	mg/L
B 249.772†	1919.6	79.69	4.15%	[0.00]	mg/L
Ba 233.527†	1936.4	12.99	0.67%	[0.00]	mg/L
Be 313.107†	-7382.6	10.40	0.14%	[0.00]	mg/L
Cd 226.502†	78.5	8.42	10.72%	[0.00]	mg/L
Co 228.616†	-264.0	1.41	0.54%	[0.00]	mg/L
Cr 267.716†	-25.2	4.48	17.76%	[0.00]	mg/L
Cu 324.752†	4113.3	61.10	1.49%	[0.00]	mg/L
K 766.490†	2164.9	46.38	2.14%	[0.00]	mg/L

Mg 279.077†	-524.4	9.35	1.78%	[0.00]	mg/L
Mn 257.610†	2562.2	2.13	0.08%	[0.00]	mg/L
Mo 202.031†	-85.6	4.37	5.10%	[0.00]	mg/L
Ni 231.604†	-35.9	3.69	10.27%	[0.00]	mg/L
Na 589.592†	1430.5	12.30	0.86%	[0.00]	mg/L
Pb 220.353†	-3.2	22.62	709.52%	[0.00]	mg/L
Sb 206.836†	-12.7	6.97	54.76%	[0.00]	mg/L
Se 196.026†	17.2	8.62	50.22%	[0.00]	mg/L
Sn 189.927†	514.1	9.47	1.84%	[0.00]	mg/L
Ti 337.279†	-1456.7	3.75	0.26%	[0.00]	mg/L
Tl 190.801†	5.8	4.79	82.75%	[0.00]	mg/L
V 292.402†	592.7	47.19	7.96%	[0.00]	mg/L
Zn 206.200†	103.3	12.61	12.21%	[0.00]	mg/L
Ca 227.546†	-299.7	3.40	1.13%	[0.00]	mg/L
Sr 421.552†	339.0	15.55	4.59%	[0.00]	mg/L
Fe 259.939†	-1057.4	23.38	2.21%	[0.00]	mg/L

Sequence No.: 2 **Autosampler Location: 9**
Sample ID: Calib Std 1 **Date Collected: 5/21/2014 2:18:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	3875361.6	337.13	0.01%	0.9743	mg/L
As 188.979†	16.9	1.53	9.06%	[0.0050]	mg/L
Ba 233.527†	2658.2	11.11	0.42%	[0.0200]	mg/L
Cd 226.502†	125.1	3.05	2.44%	[0.0010]	mg/L
Co 228.616†	143.5	9.09	6.33%	[0.0030]	mg/L
Cr 267.716†	114.9	27.32	23.79%	[0.0010]	mg/L
Cu 324.752†	2237.2	46.35	2.07%	[0.0100]	mg/L
Mn 257.610†	7277.1	30.44	0.42%	[0.0100]	mg/L
Mo 202.031†	608.3	5.40	0.89%	[0.0250]	mg/L
Ni 231.604†	272.6	2.73	1.00%	[0.0050]	mg/L
Pb 220.353†	89.2	3.81	4.28%	[0.0050]	mg/L
Sb 206.836†	31.4	0.80	2.54%	[0.0100]	mg/L
Se 196.026†	8.5	6.68	78.24%	[0.0050]	mg/L
Tl 190.801†	34.7	3.06	8.83%	[0.0100]	mg/L
V 292.402†	331.3	12.33	3.72%	[0.0030]	mg/L
Zn 206.200†	1024.2	11.02	1.08%	[0.0100]	mg/L

Sequence No.: 3 **Autosampler Location: 10**
Sample ID: Calib Std 2 **Date Collected: 5/21/2014 2:23:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	3890060.3	18442.37	0.47%	0.9780	mg/L
Al 308.215†	2757.1	1.14	0.04%	[0.1000]	mg/L
As 188.979†	29.8	5.62	18.84%	[0.0100]	mg/L
B 249.772†	15085.5	305.00	2.02%	[0.2000]	mg/L
Be 313.107†	5834.2	96.54	1.65%	[0.0030]	mg/L
Cd 226.502†	619.1	7.96	1.28%	[0.0050]	mg/L
Cu 324.752†	4093.0	20.46	0.50%	[0.0200]	mg/L
K 766.490†	2359.0	108.59	4.60%	[2.0000]	mg/L
Mg 279.077†	16350.0	20.10	0.12%	[1.0000]	mg/L
Na 589.592†	1939.3	67.22	3.47%	[1.0000]	mg/L
Sb 206.836†	207.7	5.38	2.59%	[0.0600]	mg/L
Se 196.026†	13.8	0.41	2.93%	[0.0100]	mg/L
Sn 189.927†	5392.8	13.68	0.25%	[0.5000]	mg/L
Ca 227.546†	237.3	1.32	0.56%	[1.0000]	mg/L

Sequence No.: 4
Sample ID: Calib Std 3
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 11
Date Collected: 5/21/2014 2:29:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	3829014.2	45505.17	1.19%	0.9627	mg/L
Ag 328.068†	1854.4	85.93	4.63%	[0.0100]	mg/L
B 249.772†	4092.3	87.42	2.14%	[0.0500]	mg/L
Be 313.107†	11217.0	148.06	1.32%	[0.0050]	mg/L
Co 228.616†	2552.4	29.71	1.16%	[0.0500]	mg/L
Cr 267.716†	841.3	64.27	7.64%	[0.0100]	mg/L
K 766.490†	590.1	82.13	13.92%	[0.5000]	mg/L
Mg 279.077†	8598.9	20.26	0.24%	[0.5000]	mg/L
Ni 231.604†	2558.4	1.14	0.04%	[0.0400]	mg/L
Na 589.592†	930.7	19.14	2.06%	[0.5000]	mg/L
Sn 189.927†	1404.7	46.92	3.34%	[0.1000]	mg/L
Ti 337.279†	19294.4	94.76	0.49%	[0.0500]	mg/L
V 292.402†	5156.9	13.38	0.26%	[0.0500]	mg/L
Zn 206.200†	2120.3	21.89	1.03%	[0.0200]	mg/L
Ca 227.546†	124.5	4.75	3.81%	[0.5000]	mg/L
Sr 421.552†	3816.9	37.91	0.99%	[0.0500]	mg/L
Fe 259.939†	11525.3	76.82	0.67%	[0.1000]	mg/L

Sequence No.: 5
Sample ID: Calib Std 4
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 12
Date Collected: 5/21/2014 2:33:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	3648545.3	13621.75	0.37%	0.9173	mg/L
Ag 328.068†	41056.2	93.24	0.23%	[0.2000]	mg/L
Al 308.215†	103603.3	248.34	0.24%	[4.0000]	mg/L
As 188.979†	1144.8	9.93	0.87%	[0.4000]	mg/L
B 249.772†	90656.8	2010.80	2.22%	[1.0000]	mg/L
Ba 233.527†	548400.0	787.22	0.14%	[4.0000]	mg/L
Be 313.107†	243580.4	756.17	0.31%	[0.1000]	mg/L
Cd 226.502†	26905.7	130.29	0.48%	[0.2000]	mg/L
Co 228.616†	51662.7	125.28	0.24%	[1.0000]	mg/L
Cr 267.716†	16545.4	95.70	0.58%	[0.2000]	mg/L
Cu 324.752†	105768.7	656.74	0.62%	[0.5000]	mg/L
K 766.490†	11960.6	110.88	0.93%	[10.000]	mg/L
Mg 279.077†	167331.0	390.86	0.23%	[10.000]	mg/L
Mn 257.610†	216092.4	323.67	0.15%	[0.3000]	mg/L
Mo 202.031†	25863.9	158.80	0.61%	[1.0000]	mg/L
Ni 231.604†	50332.5	50.70	0.10%	[0.8000]	mg/L
Na 589.592†	20790.6	98.10	0.47%	[10.000]	mg/L
Pb 220.353†	3031.4	14.38	0.47%	[0.2000]	mg/L
Sb 206.836†	7358.8	31.15	0.42%	[2.0000]	mg/L
Se 196.026†	271.9	8.19	3.01%	[0.2000]	mg/L
Sn 189.927†	27376.7	192.28	0.70%	[2.0000]	mg/L
Ti 337.279†	407830.3	686.16	0.17%	[1.0000]	mg/L
Tl 190.801†	1262.0	0.51	0.04%	[0.4000]	mg/L
V 292.402†	112415.0	297.55	0.26%	[1.0000]	mg/L
Zn 206.200†	40297.9	8.58	0.02%	[0.4000]	mg/L
Ca 227.546†	2324.7	6.66	0.29%	[10.000]	mg/L
Sr 421.552†	77876.0	79.57	0.10%	[1.0000]	mg/L
Fe 259.939†	231750.5	5104.95	2.20%	[2.0000]	mg/L

Sequence No.: 6
Sample ID: Calib Std 5
Analyst:
Autosampler Location: 2
Date Collected: 5/21/2014 2:40:05 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Std 5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	3362848.1	898.78	0.03%	0.8455	mg/L
Ag 328.068†	199597.2	102.62	0.05%	[1.0000]	mg/L
Al 308.215†	477955.7	1371.05	0.29%	[20.000]	mg/L
As 188.979†	5773.0	62.47	1.08%	[2.0000]	mg/L
B 249.772†	474167.0	5062.85	1.07%	[5.0000]	mg/L
Ba 233.527†	2618095.0	8596.97	0.33%	[20.000]	mg/L
Be 313.107†	1205202.1	12740.42	1.06%	[0.5000]	mg/L
Cd 226.502†	132694.0	26.31	0.02%	[1.0000]	mg/L
Co 228.616†	248880.0	880.08	0.35%	[5.0000]	mg/L
Cr 267.716†	81054.4	1227.67	1.51%	[1.0000]	mg/L
Cu 324.752†	507956.5	3888.13	0.77%	[2.5000]	mg/L
K 766.490†	58498.9	411.79	0.70%	[50.000]	mg/L
Mg 279.077†	786995.8	3446.80	0.44%	[50.000]	mg/L
Mn 257.610†	1040693.7	3438.73	0.33%	[1.5000]	mg/L
Mo 202.031†	128213.2	619.49	0.48%	[5.0000]	mg/L
Ni 231.604†	240947.4	305.01	0.13%	[4.0000]	mg/L
Na 589.592†	103500.3	6.86	0.01%	[50.000]	mg/L
Pb 220.353†	14477.5	76.24	0.53%	[1.0000]	mg/L
Sb 206.836†	36122.8	377.39	1.04%	[10.000]	mg/L
Se 196.026†	1326.5	6.94	0.52%	[1.0000]	mg/L
Sn 189.927†	119867.4	157.07	0.13%	[10.000]	mg/L
Ti 337.279†	2007989.2	5363.71	0.27%	[5.0000]	mg/L
Tl 190.801†	6041.2	63.84	1.06%	[2.0000]	mg/L
V 292.402†	546443.2	6901.45	1.26%	[5.0000]	mg/L
Zn 206.200†	195128.2	899.33	0.46%	[2.0000]	mg/L
Ca 227.546†	10463.9	170.80	1.63%	[50.000]	mg/L
Sr 421.552†	382602.7	783.01	0.20%	[5.0000]	mg/L
Fe 259.939†	1160311.2	451.54	0.04%	[10.000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin Thru 0	0.0	199800	0.00000	0.999985	
Al 308.215	3	Lin Thru 0	0.0	23970	0.00000	0.999871	
As 188.979	4	Lin Thru 0	0.0	2886	0.00000	0.999999	
B 249.772	4	Lin Thru 0	0.0	94640	0.00000	0.999931	
Ba 233.527	3	Lin Thru 0	0.0	131100	0.00000	0.999959	
Be 313.107	4	Lin Thru 0	0.0	2411000	0.00000	0.999997	
Cd 226.502	4	Lin Thru 0	0.0	132800	0.00000	0.999996	
Co 228.616	4	Lin Thru 0	0.0	49850	0.00000	0.999973	
Cr 267.716	4	Lin Thru 0	0.0	81120	0.00000	0.999992	
Cu 324.752	4	Lin Thru 0	0.0	203500	0.00000	0.999969	
K 766.490	4	Lin Thru 0	0.0	1171	0.00000	0.999991	
Mg 279.077	4	Lin Thru 0	0.0	15780	0.00000	0.999926	
Mn 257.610	3	Lin Thru 0	0.0	694800	0.00000	0.999973	
Mo 202.031	3	Lin Thru 0	0.0	25650	0.00000	0.999999	
Ni 231.604	4	Lin Thru 0	0.0	60340	0.00000	0.999963	
Na 589.592	4	Lin Thru 0	0.0	2070	0.00000	0.999998	
Pb 220.353	3	Lin Thru 0	0.0	14500	0.00000	0.999959	
Sb 206.836	4	Lin Thru 0	0.0	3615	0.00000	0.999994	
Se 196.026	4	Lin Thru 0	0.0	1328	0.00000	0.999987	
Sn 189.927	4	Lin Thru 0	0.0	12050	0.00000	0.999618	
Ti 337.279	3	Lin Thru 0	0.0	401800	0.00000	0.999995	
Tl 190.801	3	Lin Thru 0	0.0	3026	0.00000	0.999963	
V 292.402	4	Lin Thru 0	0.0	109400	0.00000	0.999985	
Zn 206.200	4	Lin Thru 0	0.0	97690	0.00000	0.999980	
Ca 227.546	4	Lin Thru 0	0.0	210.2	0.00000	0.999770	
Sr 421.552	3	Lin Thru 0	0.0	76570	0.00000	0.999994	
Fe 259.939	3	Lin Thru 0	0.0	116000	0.00000	1.000000	

Sequence No.: 7 Autosampler Location: 3
Sample ID: ICV Date Collected: 5/21/2014 2:44:50 PM
Analyst: Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3452078.6	0.8679	mg/L	0.00102				0.12%
Ag 328.068†	100299.1	0.5022	mg/L	0.00005	0.5022	mg/L	0.00005	0.01%
QC value within limits for Ag 328.068 Recovery = 100.44%								
Al 308.215†	244829.8	10.16	mg/L	0.013	10.16	mg/L	0.013	0.13%
QC value within limits for Al 308.215 Recovery = 101.60%								
As 188.979†	2892.2	0.9936	mg/L	0.00617	0.9936	mg/L	0.00617	0.62%
QC value within limits for As 188.979 Recovery = 99.36%								
B 249.772†	242154.1	2.526	mg/L	0.0477	2.526	mg/L	0.0477	1.89%
QC value within limits for B 249.772 Recovery = 101.03%								
Ba 233.527†	1331087.7	10.15	mg/L	0.008	10.15	mg/L	0.008	0.08%
QC value within limits for Ba 233.527 Recovery = 101.50%								
Be 313.107†	591377.7	0.2452	mg/L	0.00138	0.2452	mg/L	0.00138	0.56%
QC value within limits for Be 313.107 Recovery = 98.10%								
Cd 226.502†	66027.4	0.4969	mg/L	0.00079	0.4969	mg/L	0.00079	0.16%
QC value within limits for Cd 226.502 Recovery = 99.38%								
Co 228.616†	123764.3	2.483	mg/L	0.0007	2.483	mg/L	0.0007	0.03%
QC value within limits for Co 228.616 Recovery = 99.33%								
Cr 267.716†	41306.0	0.5102	mg/L	0.00095	0.5102	mg/L	0.00095	0.19%
QC value within limits for Cr 267.716 Recovery = 102.04%								
Cu 324.752†	254506.5	1.249	mg/L	0.0098	1.249	mg/L	0.0098	0.78%
QC value within limits for Cu 324.752 Recovery = 99.91%								
K 766.490†	29211.2	24.95	mg/L	0.150	24.95	mg/L	0.150	0.60%
QC value within limits for K 766.490 Recovery = 99.78%								
Mg 279.077†	392024.5	24.85	mg/L	0.023	24.85	mg/L	0.023	0.09%
QC value within limits for Mg 279.077 Recovery = 99.38%								
Mn 257.610†	518922.9	0.7468	mg/L	0.00115	0.7468	mg/L	0.00115	0.15%
QC value within limits for Mn 257.610 Recovery = 99.58%								
Mo 202.031†	62643.4	2.442	mg/L	0.0090	2.442	mg/L	0.0090	0.37%
QC value within limits for Mo 202.031 Recovery = 97.69%								
Ni 231.604†	120578.3	1.998	mg/L	0.0065	1.998	mg/L	0.0065	0.33%
QC value within limits for Ni 231.604 Recovery = 99.92%								
Na 589.592†	50751.7	24.70	mg/L	0.082	24.70	mg/L	0.082	0.33%
QC value within limits for Na 589.592 Recovery = 98.79%								
Pb 220.353†	7331.2	0.5115	mg/L	0.00170	0.5115	mg/L	0.00170	0.33%
QC value within limits for Pb 220.353 Recovery = 102.30%								
Sb 206.836†	17968.4	4.977	mg/L	0.0201	4.977	mg/L	0.0201	0.40%
QC value within limits for Sb 206.836 Recovery = 99.55%								
Se 196.026†	677.8	0.5117	mg/L	0.00522	0.5117	mg/L	0.00522	1.02%
QC value within limits for Se 196.026 Recovery = 102.34%								
Sn 189.927†	67498.2	5.592	mg/L	0.0159	5.592	mg/L	0.0159	0.28%
QC value greater than the upper limit for Sn 189.927 Recovery = 111.84%								
Ti 337.279†	974475.8	2.425	mg/L	0.0031	2.425	mg/L	0.0031	0.13%
QC value within limits for Ti 337.279 Recovery = 97.00%								
Tl 190.801†	3157.8	1.046	mg/L	0.0034	1.046	mg/L	0.0034	0.33%
QC value within limits for Tl 190.801 Recovery = 104.56%								
V 292.402†	269232.8	2.462	mg/L	0.0219	2.462	mg/L	0.0219	0.89%
QC value within limits for V 292.402 Recovery = 98.46%								
Zn 206.200†	96864.4	0.9916	mg/L	0.00228	0.9916	mg/L	0.00228	0.23%
QC value within limits for Zn 206.200 Recovery = 99.16%								
Ca 227.546†	5412.2	25.75	mg/L	0.126	25.75	mg/L	0.126	0.49%
QC value within limits for Ca 227.546 Recovery = 103.00%								
Sr 421.552†	183967.9	2.403	mg/L	0.0078	2.403	mg/L	0.0078	0.32%
QC value within limits for Sr 421.552 Recovery = 96.10%								
Fe 259.939†	573836.6	4.948	mg/L	0.0406	4.948	mg/L	0.0406	0.82%
QC value within limits for Fe 259.939 Recovery = 98.96%								

QC Failed. Continue with analysis.

Sequence No.: 8 Autosampler Location: 1
Sample ID: ICB Date Collected: 5/21/2014 2:51:07 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3870342.9	0.9731	mg/L	0.00259				0.27%
Ag 328.068†	278.7	0.0014	mg/L	0.00044	0.0014	mg/L	0.00044	31.75%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	123.2	0.0051	mg/L	0.00169	0.0051	mg/L	0.00169	32.94%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-3.5	-0.0012	mg/L	0.00027	-0.0012	mg/L	0.00027	21.75%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	10618.2	0.1122	mg/L	0.00921	0.1122	mg/L	0.00921	8.21%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	158.2	0.0012	mg/L	0.00020	0.0012	mg/L	0.00020	16.21%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	137.2	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	45.13%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	1.9	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	452.50%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	10.5	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	8.79%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	5.6	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	246.11%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	528.0	0.0026	mg/L	0.00031	0.0026	mg/L	0.00031	12.13%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	198.8	0.1697	mg/L	0.02316	0.1697	mg/L	0.02316	13.64%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	1.2	0.0001	mg/L	0.00015	0.0001	mg/L	0.00015	184.92%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	55.8	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	51.33%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	13.7	0.0005	mg/L	0.00033	0.0005	mg/L	0.00033	61.00%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	172.49%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	111.1	0.0537	mg/L	0.01257	0.0537	mg/L	0.01257	23.41%
QC value within limits for Na 589.592 Recovery = Not calculated								
Pb 220.353†	20.0	0.0014	mg/L	0.00073	0.0014	mg/L	0.00073	52.63%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	18.5	0.0051	mg/L	0.00032	0.0051	mg/L	0.00032	6.25%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.5	0.0012	mg/L	0.00186	0.0012	mg/L	0.00186	159.85%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	256.8	0.0213	mg/L	0.00417	0.0213	mg/L	0.00417	19.58%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	156.7	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	16.92%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	-5.4	-0.0018	mg/L	0.00134	-0.0018	mg/L	0.00134	75.52%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	43.6	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	4.06%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	7.6	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	199.65%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ca 227.546†	0.5	0.0023	mg/L	0.01828	0.0023	mg/L	0.01828	807.63%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Sr 421.552†	27.8	0.0004	mg/L	0.00057	0.0004	mg/L	0.00057	156.47%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Fe 259.939†	-121.7	-0.0010	mg/L	0.00057	-0.0010	mg/L	0.00057	54.64%
QC value within limits for Fe 259.939 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: MRL
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/21/2014 2:57:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MRL

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3787561.1	0.9522	mg/L	0.01058				1.11%

Ag 328.068†	2064.7	0.0103 mg/L	0.00005	0.0103 mg/L	0.00005	0.44%
QC value within limits for Ag 328.068 Recovery = 103.38%						
Al 308.215†	5439.7	0.2261 mg/L	0.00396	0.2261 mg/L	0.00396	1.75%
QC value within limits for Al 308.215 Recovery = 113.04%						
As 188.979†	50.2	0.0173 mg/L	0.00120	0.0173 mg/L	0.00120	6.96%
QC value within limits for As 188.979 Recovery = 86.51%						
B 249.772†	22736.9	0.2395 mg/L	0.00104	0.2395 mg/L	0.00104	0.43%
QC value within limits for B 249.772 Recovery = 119.76%						
Ba 233.527†	25970.0	0.1980 mg/L	0.00192	0.1980 mg/L	0.00192	0.97%
QC value within limits for Ba 233.527 Recovery = 99.01%						
Be 313.107†	10834.5	0.0045 mg/L	0.00002	0.0045 mg/L	0.00002	0.50%
QC value within limits for Be 313.107 Recovery = 89.86%						
Cd 226.502†	1267.7	0.0095 mg/L	0.00015	0.0095 mg/L	0.00015	1.55%
QC value within limits for Cd 226.502 Recovery = 95.40%						
Co 228.616†	2451.5	0.0492 mg/L	0.00051	0.0492 mg/L	0.00051	1.04%
QC value within limits for Co 228.616 Recovery = 98.37%						
Cr 267.716†	809.7	0.0100 mg/L	0.00007	0.0100 mg/L	0.00007	0.72%
QC value within limits for Cr 267.716 Recovery = 100.10%						
Cu 324.752†	5479.0	0.0269 mg/L	0.00054	0.0269 mg/L	0.00054	2.02%
QC value within limits for Cu 324.752 Recovery = 107.57%						
K 766.490†	1274.5	1.088 mg/L	0.0045	1.088 mg/L	0.0045	0.41%
QC value within limits for K 766.490 Recovery = 108.84%						
Mg 279.077†	16261.1	1.031 mg/L	0.0093	1.031 mg/L	0.0093	0.90%
QC value within limits for Mg 279.077 Recovery = 103.06%						
Mn 257.610†	10569.9	0.0152 mg/L	0.00016	0.0152 mg/L	0.00016	1.03%
QC value within limits for Mn 257.610 Recovery = 101.42%						
Mo 202.031†	641.5	0.0250 mg/L	0.00008	0.0250 mg/L	0.00008	0.33%
QC value within limits for Mo 202.031 Recovery = 100.04%						
Ni 231.604†	2419.1	0.0401 mg/L	0.00025	0.0401 mg/L	0.00025	0.61%
QC value within limits for Ni 231.604 Recovery = 100.23%						
Na 589.592†	1764.6	0.8552 mg/L	0.01458	0.8552 mg/L	0.01458	1.70%
QC value within limits for Na 589.592 Recovery = 85.52%						
Pb 220.353†	145.7	0.0101 mg/L	0.00072	0.0101 mg/L	0.00072	7.07%
QC value within limits for Pb 220.353 Recovery = 101.44%						
Sb 206.836†	210.7	0.0584 mg/L	0.00234	0.0584 mg/L	0.00234	4.01%
QC value within limits for Sb 206.836 Recovery = 97.28%						
Se 196.026†	15.0	0.0113 mg/L	0.00177	0.0113 mg/L	0.00177	15.66%
QC value within limits for Se 196.026 Recovery = 113.06%						
Sn 189.927†	6221.1	0.5163 mg/L	0.00510	0.5163 mg/L	0.00510	0.99%
QC value within limits for Sn 189.927 Recovery = 103.27%						
Ti 337.279†	18869.1	0.0470 mg/L	0.00028	0.0470 mg/L	0.00028	0.60%
QC value within limits for Ti 337.279 Recovery = 93.91%						
Tl 190.801†	67.2	0.0222 mg/L	0.00292	0.0222 mg/L	0.00292	13.12%
QC value within limits for Tl 190.801 Recovery = 111.14%						
V 292.402†	5169.4	0.0473 mg/L	0.00065	0.0473 mg/L	0.00065	1.37%
QC value within limits for V 292.402 Recovery = 94.52%						
Zn 206.200†	1827.3	0.0187 mg/L	0.00006	0.0187 mg/L	0.00006	0.31%
QC value within limits for Zn 206.200 Recovery = 93.53%						
Ca 227.546†	233.4	1.110 mg/L	0.0157	1.110 mg/L	0.0157	1.42%
QC value within limits for Ca 227.546 Recovery = 111.03%						
Sr 421.552†	7412.9	0.0968 mg/L	0.00147	0.0968 mg/L	0.00147	1.52%
QC value within limits for Sr 421.552 Recovery = 96.81%						
Fe 259.939†	11296.0	0.0974 mg/L	0.00107	0.0974 mg/L	0.00107	1.10%
QC value within limits for Fe 259.939 Recovery = 97.37%						

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/21/2014 3:03:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3091706.8	0.7773	mg/L	0.00491				0.63%
Ag 328.068†	-474.9	0.0024	mg/L	0.00001	0.0024	mg/L	0.00001	0.39%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	5828049.3	242.8	mg/L	1.10	242.8	mg/L	1.10	0.45%
QC value within limits for Al 308.215 Recovery = 97.13%								

As 188.979†	82.6	-0.0052 mg/L	0.00379	-0.0052 mg/L	0.00379	73.42%
QC value within limits for As 188.979 Recovery = Not calculated						
B 249.772†	64776.5	0.0800 mg/L	0.00463	0.0800 mg/L	0.00463	5.79%
Ba 233.527†	882.3	0.0067 mg/L	0.00019	0.0067 mg/L	0.00019	2.86%
Be 313.107†	-2122.3	-0.0009 mg/L	0.00008	-0.0009 mg/L	0.00008	9.32%
QC value within limits for Be 313.107 Recovery = Not calculated						
Cd 226.502†	1066.0	0.0003 mg/L	0.00029	0.0003 mg/L	0.00029	81.91%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	-129.5	-0.0004 mg/L	0.00009	-0.0004 mg/L	0.00009	22.66%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-957.4	-0.0008 mg/L	0.00032	-0.0008 mg/L	0.00032	38.91%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	1715.3	0.0106 mg/L	0.00013	0.0106 mg/L	0.00013	1.18%
QC value within limits for Cu 324.752 Recovery = Not calculated						
K 766.490†	618.1	0.5279 mg/L	0.11745	0.5279 mg/L	0.11745	22.25%
Mg 279.077†	3955323.2	250.7 mg/L	2.55	250.7 mg/L	2.55	1.02%
QC value within limits for Mg 279.077 Recovery = 100.27%						
Mn 257.610†	-1602.9	-0.0023 mg/L	0.00002	-0.0023 mg/L	0.00002	0.80%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	261193.7	10.18 mg/L	0.003	10.18 mg/L	0.003	0.03%
QC value within limits for Mo 202.031 Recovery = 101.83%						
Ni 231.604†	-141.5	-0.0023 mg/L	0.00012	-0.0023 mg/L	0.00012	5.26%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Na 589.592†	283.2	1.409 mg/L	0.0441	1.409 mg/L	0.0441	3.13%
Pb 220.353†	-695.6	0.0058 mg/L	0.00042	0.0058 mg/L	0.00042	7.28%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-90.4	0.0028 mg/L	0.00397	0.0028 mg/L	0.00397	142.60%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-31.3	0.0018 mg/L	0.01194	0.0018 mg/L	0.01194	652.47%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-543.0	-0.0632 mg/L	0.00005	-0.0632 mg/L	0.00005	0.07%
Ti 337.279†	-1451.7	-0.0036 mg/L	0.00001	-0.0036 mg/L	0.00001	0.16%
Tl 190.801†	-14.1	0.0048 mg/L	0.00071	0.0048 mg/L	0.00071	14.97%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	-517.0	0.0015 mg/L	0.00001	0.0015 mg/L	0.00001	0.78%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	789.2	0.0081 mg/L	0.00017	0.0081 mg/L	0.00017	2.16%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Ca 227.546†	53653.2	255.3 mg/L	0.23	255.3 mg/L	0.23	0.09%
QC value within limits for Ca 227.546 Recovery = 102.11%						
Sr 421.552†	327.1	0.0043 mg/L	0.00030	0.0043 mg/L	0.00030	7.05%
Fe 259.939†	10779456.8	92.91 mg/L	1.127	92.91 mg/L	1.127	1.21%
QC value within limits for Fe 259.939 Recovery = 92.91%						

All analyte(s) passed QC.

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Sequence No.: 11
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 5/21/2014 3:10:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3108244.8	0.7815	mg/L	0.00530				0.68%
Ag 328.068†	42406.1	0.2169	mg/L	0.00012	0.2169	mg/L	0.00012	0.05%
QC value within limits for Ag 328.068 Recovery = 108.46%								
Al 308.215†	5751480.8	239.6	mg/L	0.65	239.6	mg/L	0.65	0.27%
QC value within limits for Al 308.215 Recovery = 95.85%								
As 188.979†	366.6	0.0939	mg/L	0.00486	0.0939	mg/L	0.00486	5.18%
QC value within limits for As 188.979 Recovery = 93.88%								
B 249.772†	59363.1	0.0324	mg/L	0.00530	0.0324	mg/L	0.00530	16.36%
Ba 233.527†	70757.4	0.5395	mg/L	0.00012	0.5395	mg/L	0.00012	0.02%
QC value within limits for Ba 233.527 Recovery = 107.91%								
Be 313.107†	1236643.1	0.5128	mg/L	0.00073	0.5128	mg/L	0.00073	0.14%
QC value within limits for Be 313.107 Recovery = 102.57%								
Cd 226.502†	134078.4	1.002	mg/L	0.0033	1.002	mg/L	0.0033	0.33%
QC value within limits for Cd 226.502 Recovery = 100.23%								
Co 228.616†	23042.2	0.4644	mg/L	0.00550	0.4644	mg/L	0.00550	1.18%
QC value within limits for Co 228.616 Recovery = 92.88%								

Cr 267.716†	40843.7	0.5144 mg/L	0.00155	0.5144 mg/L	0.00155	0.30%
QC value within limits for Cr 267.716 Recovery = 102.87%						
Cu 324.752†	103278.2	0.5096 mg/L	0.00148	0.5096 mg/L	0.00148	0.29%
QC value within limits for Cu 324.752 Recovery = 101.92%						
K 766.490†	566.2	0.4835 mg/L	0.07603	0.4835 mg/L	0.07603	15.73%
Mg 279.077†	3919419.6	248.4 mg/L	0.31	248.4 mg/L	0.31	0.13%
QC value within limits for Mg 279.077 Recovery = 99.36%						
Mn 257.610†	354452.7	0.5101 mg/L	0.00026	0.5101 mg/L	0.00026	0.05%
QC value within limits for Mn 257.610 Recovery = 102.03%						
Mo 202.031†	256314.1	9.992 mg/L	0.0033	9.992 mg/L	0.0033	0.03%
QC value within limits for Mo 202.031 Recovery = 99.92%						
Ni 231.604†	57684.9	0.9560 mg/L	0.00201	0.9560 mg/L	0.00201	0.21%
QC value within limits for Ni 231.604 Recovery = 95.60%						
Na 589.592†	201.7	1.350 mg/L	0.0067	1.350 mg/L	0.0067	0.49%
Pb 220.353†	55.0	0.0567 mg/L	0.00100	0.0567 mg/L	0.00100	1.75%
QC value within limits for Pb 220.353 Recovery = 113.48%						
Sb 206.836†	2151.6	0.6225 mg/L	0.00377	0.6225 mg/L	0.00377	0.61%
QC value within limits for Sb 206.836 Recovery = 103.75%						
Se 196.026†	37.0	0.0528 mg/L	0.00632	0.0528 mg/L	0.00632	11.97%
QC value within limits for Se 196.026 Recovery = 105.70%						
Sn 189.927†	-525.0	-0.0615 mg/L	0.00082	-0.0615 mg/L	0.00082	1.33%
Ti 337.279†	-1343.9	-0.0033 mg/L	0.00005	-0.0033 mg/L	0.00005	1.62%
Tl 190.801†	300.9	0.1087 mg/L	0.00291	0.1087 mg/L	0.00291	2.67%
QC value within limits for Tl 190.801 Recovery = 108.71%						
V 292.402†	53720.4	0.4971 mg/L	0.00760	0.4971 mg/L	0.00760	1.53%
QC value within limits for V 292.402 Recovery = 99.42%						
Zn 206.200†	97872.3	1.002 mg/L	0.0017	1.002 mg/L	0.0017	0.17%
QC value within limits for Zn 206.200 Recovery = 100.19%						
Ca 227.546†	52403.9	249.3 mg/L	1.17	249.3 mg/L	1.17	0.47%
QC value within limits for Ca 227.546 Recovery = 99.73%						
Sr 421.552†	314.3	0.0041 mg/L	0.00025	0.0041 mg/L	0.00025	6.13%
Fe 259.939†	10609059.3	91.44 mg/L	0.434	91.44 mg/L	0.434	0.47%
QC value within limits for Fe 259.939 Recovery = 91.44%						

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/21/2014 3:16:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3435606.2	0.8638	mg/L	0.00014				0.02%
Ag 328.068†	100960.0	0.5055	mg/L	0.00175	0.5055	mg/L	0.00175	0.35%
QC value within limits for Ag 328.068 Recovery = 101.10%								
Al 308.215†	247163.0	10.26	mg/L	0.013	10.26	mg/L	0.013	0.13%
QC value within limits for Al 308.215 Recovery = 102.57%								
As 188.979†	2899.3	0.9960	mg/L	0.00117	0.9960	mg/L	0.00117	0.12%
QC value within limits for As 188.979 Recovery = 99.60%								
B 249.772†	230235.3	2.400	mg/L	0.0792	2.400	mg/L	0.0792	3.30%
QC value within limits for B 249.772 Recovery = 96.00%								
Ba 233.527†	1338930.3	10.21	mg/L	0.035	10.21	mg/L	0.035	0.34%
QC value within limits for Ba 233.527 Recovery = 102.10%								
Be 313.107†	596266.7	0.2473	mg/L	0.00038	0.2473	mg/L	0.00038	0.16%
QC value within limits for Be 313.107 Recovery = 98.91%								
Cd 226.502†	66705.9	0.5020	mg/L	0.00324	0.5020	mg/L	0.00324	0.64%
QC value within limits for Cd 226.502 Recovery = 100.41%								
Co 228.616†	124520.7	2.499	mg/L	0.0151	2.499	mg/L	0.0151	0.60%
QC value within limits for Co 228.616 Recovery = 99.94%								
Cr 267.716†	41543.9	0.5132	mg/L	0.00202	0.5132	mg/L	0.00202	0.39%
QC value within limits for Cr 267.716 Recovery = 102.63%								
Cu 324.752†	256620.0	1.259	mg/L	0.0008	1.259	mg/L	0.0008	0.06%
QC value within limits for Cu 324.752 Recovery = 100.74%								
K 766.490†	28451.3	24.30	mg/L	0.424	24.30	mg/L	0.424	1.74%
QC value within limits for K 766.490 Recovery = 97.19%								
Mg 279.077†	394976.1	25.03	mg/L	0.071	25.03	mg/L	0.071	0.28%
QC value within limits for Mg 279.077 Recovery = 100.13%								
Mn 257.610†	521076.8	0.7499	mg/L	0.00252	0.7499	mg/L	0.00252	0.34%

QC value within limits for Mn 257.610 Recovery = 99.99%

Mo 202.031†	62836.5	2.450 mg/L	0.0185	2.450 mg/L	0.0185	0.76%

QC value within limits for Mo 202.031 Recovery = 97.99%

Ni 231.604†	121353.4	2.011 mg/L	0.0114	2.011 mg/L	0.0114	0.57%

QC value within limits for Ni 231.604 Recovery = 100.56%

Na 589.592†	48919.6	23.81 mg/L	0.319	23.81 mg/L	0.319	1.34%

QC value within limits for Na 589.592 Recovery = 95.25%

Pb 220.353†	7364.1	0.5138 mg/L	0.00095	0.5138 mg/L	0.00095	0.18%

QC value within limits for Pb 220.353 Recovery = 102.76%

Sb 206.836†	18035.4	4.996 mg/L	0.0120	4.996 mg/L	0.0120	0.24%

QC value within limits for Sb 206.836 Recovery = 99.92%

Se 196.026†	673.4	0.5083 mg/L	0.00138	0.5083 mg/L	0.00138	0.27%

QC value within limits for Se 196.026 Recovery = 101.67%

Sn 189.927†	68006.5	5.634 mg/L	0.0511	5.634 mg/L	0.0511	0.91%

QC value greater than the upper limit for Sn 189.927 Recovery = 112.69%

Ti 337.279†	979243.7	2.437 mg/L	0.0082	2.437 mg/L	0.0082	0.34%

QC value within limits for Ti 337.279 Recovery = 97.48%

Tl 190.801†	3161.2	1.047 mg/L	0.0012	1.047 mg/L	0.0012	0.11%

QC value within limits for Tl 190.801 Recovery = 104.67%

V 292.402†	272430.4	2.491 mg/L	0.0173	2.491 mg/L	0.0173	0.69%

QC value within limits for V 292.402 Recovery = 99.63%

Zn 206.200†	98048.8	1.004 mg/L	0.0065	1.004 mg/L	0.0065	0.65%

QC value within limits for Zn 206.200 Recovery = 100.37%

Ca 227.546†	5470.8	26.03 mg/L	0.009	26.03 mg/L	0.009	0.03%

QC value within limits for Ca 227.546 Recovery = 104.12%

Sr 421.552†	181539.9	2.371 mg/L	0.0401	2.371 mg/L	0.0401	1.69%

QC value within limits for Sr 421.552 Recovery = 94.83%

Fe 259.939†	565732.4	4.878 mg/L	0.0592	4.878 mg/L	0.0592	1.21%

QC value within limits for Fe 259.939 Recovery = 97.57%

QC Failed. Continue with analysis.

Sequence No.: 13
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/21/2014 3:23:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3642803.4	0.9159	mg/L	0.07612				8.31%
Ag 328.068†	131.6	0.0007	mg/L	0.00028	0.0007	mg/L	0.00028	42.81%

QC value within limits for Ag 328.068 Recovery = Not calculated

Al 308.215†	384.7	0.0161	mg/L	0.01450	0.0161	mg/L	0.01450	90.27%

QC value within limits for Al 308.215 Recovery = Not calculated

As 188.979†	7.8	0.0027	mg/L	0.00041	0.0027	mg/L	0.00041	15.37%

QC value within limits for As 188.979 Recovery = Not calculated

B 249.772†	7337.6	0.0775	mg/L	0.00027	0.0775	mg/L	0.00027	0.35%

QC value within limits for B 249.772 Recovery = Not calculated

Ba 233.527†	370.9	0.0028	mg/L	0.00029	0.0028	mg/L	0.00029	10.31%

QC value within limits for Ba 233.527 Recovery = Not calculated

Be 313.107†	-97.2	0.0000	mg/L	0.00030	0.0000	mg/L	0.00030	736.36%

QC value within limits for Be 313.107 Recovery = Not calculated

Cd 226.502†	-10.8	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	21.48%

QC value within limits for Cd 226.502 Recovery = Not calculated

Co 228.616†	2.5	0.0000	mg/L	0.00050	0.0000	mg/L	0.00050	>999.9%

QC value within limits for Co 228.616 Recovery = Not calculated

Cr 267.716†	4.0	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	137.88%

QC value within limits for Cr 267.716 Recovery = Not calculated

Cu 324.752†	650.0	0.0032	mg/L	0.00114	0.0032	mg/L	0.00114	35.84%

QC value within limits for Cu 324.752 Recovery = Not calculated

K 766.490†	367.2	0.3136	mg/L	0.17696	0.3136	mg/L	0.17696	56.43%

QC value within limits for K 766.490 Recovery = Not calculated

Mg 279.077†	65.0	0.0041	mg/L	0.00577	0.0041	mg/L	0.00577	139.93%

QC value within limits for Mg 279.077 Recovery = Not calculated

Mn 257.610†	143.6	0.0002	mg/L	0.00021	0.0002	mg/L	0.00021	102.18%

QC value within limits for Mn 257.610 Recovery = Not calculated

Mo 202.031†	16.6	0.0006	mg/L	0.00066	0.0006	mg/L	0.00066	101.93%

QC value within limits for Mo 202.031 Recovery = Not calculated

Ni 231.604†	8.7	0.0001	mg/L	0.00038	0.0001	mg/L	0.00038	266.63%

QC value within limits for Ni 231.604 Recovery = Not calculated

Na 589.592†	22.8	0.0111	mg/L	0.05771	0.0111	mg/L	0.05771 521.43%

QC value within limits for Na 589.592 Recovery = Not calculated

Pb 220.353†	13.3	0.0009	mg/L	0.00045	0.0009	mg/L	0.00045 48.80%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	8.6	0.0024	mg/L	0.00094	0.0024	mg/L	0.00094 39.56%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	2.4	0.0018	mg/L	0.00213	0.0018	mg/L	0.00213 119.03%

QC value within limits for Se 196.026 Recovery = Not calculated

Sn 189.927†	182.5	0.0151	mg/L	0.00266	0.0151	mg/L	0.00266 17.62%

QC value within limits for Sn 189.927 Recovery = Not calculated

Ti 337.279†	217.7	0.0005	mg/L	0.00054	0.0005	mg/L	0.00054 99.99%

QC value within limits for Ti 337.279 Recovery = Not calculated

Tl 190.801†	-2.9	-0.0010	mg/L	0.00162	-0.0010	mg/L	0.00162 169.70%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 292.402†	115.4	0.0011	mg/L	0.00012	0.0011	mg/L	0.00012 11.60%

QC value within limits for V 292.402 Recovery = Not calculated

Zn 206.200†	36.7	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002 6.13%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ca 227.546†	-26.9	-0.1282	mg/L	0.14613	-0.1282	mg/L	0.14613 114.00%

QC value within limits for Ca 227.546 Recovery = Not calculated

Sr 421.552†	96.4	0.0013	mg/L	0.00024	0.0013	mg/L	0.00024 19.08%

QC value within limits for Sr 421.552 Recovery = Not calculated

Fe 259.939†	-10.4	-0.0001	mg/L	0.00069	-0.0001	mg/L	0.00069 777.64%

QC value within limits for Fe 259.939 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 14
Sample ID: PBW-208542
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 38
Date Collected: 5/21/2014 3:29:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: PBW-208542

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3871569.0	0.9734	mg/L	0.00347				0.36%
Ag 328.068†	75.4	0.0004	mg/L	0.00023				61.57%
Al 308.215†	176.4	0.0074	mg/L	0.00125				17.02%
As 188.979†	-6.5	-0.0022	mg/L	0.00061				27.36%
B 249.772†	5350.6	0.0565	mg/L	0.00504				8.92%
Ba 233.527†	95.7	0.0007	mg/L	0.00007				9.83%
Be 313.107†	213.1	0.0001	mg/L	0.00005				53.93%
Cd 226.502†	85.6	0.0006	mg/L	0.00012				18.88%
Co 228.616†	-10.3	-0.0002	mg/L	0.00006				30.14%
Cr 267.716†	84.0	0.0010	mg/L	0.00004				4.22%
Cu 324.752†	769.4	0.0038	mg/L	0.00090				23.89%
K 766.490†	100.4	0.0858	mg/L	0.01900				22.16%
Mg 279.077†	93.6	0.0059	mg/L	0.00117				19.69%
Mn 257.610†	64.9	0.0001	mg/L	0.00004				41.02%
Mo 202.031†	10.5	0.0004	mg/L	0.00006				14.38%
Ni 231.604†	-8.2	-0.0001	mg/L	0.00024				176.92%
Na 589.592†	-383.5	-0.1852	mg/L	0.00106				0.57%
Pb 220.353†	9.9	0.0007	mg/L	0.00069				100.15%
Sb 206.836†	-7.8	-0.0022	mg/L	0.00150				69.29%
Se 196.026†	2.5	0.0019	mg/L	0.00118				61.82%
Sn 189.927†	-164.7	-0.0137	mg/L	0.00213				15.58%
Ti 337.279†	140.5	0.0003	mg/L	0.00029				82.12%
Tl 190.801†	1.2	0.0004	mg/L	0.00105				265.88%
V 292.402†	-23.3	-0.0002	mg/L	0.00053				249.91%
Zn 206.200†	264.9	0.0027	mg/L	0.00021				7.73%
Ca 227.546†	-3.6	-0.0171	mg/L	0.00145				8.49%
Sr 421.552†	-18.6	-0.0002	mg/L	0.00013				53.06%
Fe 259.939†	352.9	0.0030	mg/L	0.00006				1.91%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 15
Sample ID: LCSW-208542
Analyst:

Autosampler Location: 39
Date Collected: 5/21/2014 3:35:33 PM
Data Type: Original

Initial Sample Wt: 50 g
Dilution:

Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: LCSW-208542

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3594492.0	0.9037	mg/L	0.00227				0.25%
Ag 328.068†	9886.7	0.0495	mg/L	0.00015				0.31%
Al 308.215†	48199.4	2.001	mg/L	0.0021				0.10%
As 188.979†	113.5	0.0376	mg/L	0.00140				3.71%
B 249.772†	88433.3	0.9284	mg/L	0.01923				2.07%
Ba 233.527†	256353.4	1.955	mg/L	0.0022				0.11%
Be 313.107†	111636.2	0.0463	mg/L	0.00002				0.04%
Cd 226.502†	6472.7	0.0487	mg/L	0.00009				0.18%
Co 228.616†	24131.6	0.4842	mg/L	0.00208				0.43%
Cr 267.716†	15745.6	0.1942	mg/L	0.00030				0.16%
Cu 324.752†	53432.7	0.2623	mg/L	0.00053				0.20%
K 766.490†	20723.7	17.70	mg/L	0.276				1.56%
Mg 279.077†	30475.8	1.931	mg/L	0.0008				0.04%
Mn 257.610†	332347.6	0.4783	mg/L	0.00071				0.15%
Mo 202.031†	12252.5	0.4777	mg/L	0.00126				0.26%
Ni 231.604†	30184.0	0.5002	mg/L	0.00158				0.32%
Na 589.592†	34830.7	16.86	mg/L	0.165				0.98%
Pb 220.353†	7333.0	0.5067	mg/L	0.00235				0.46%
Sb 206.836†	1720.3	0.4772	mg/L	0.00103				0.22%
Se 196.026†	13.9	0.0107	mg/L	0.00346				32.27%
Sn 189.927†	-289.0	-0.0263	mg/L	0.00059				2.24%
Ti 337.279†	186063.1	0.4630	mg/L	0.00140				0.30%
Tl 190.801†	5928.6	1.960	mg/L	0.0100				0.51%
V 292.402†	52143.3	0.4767	mg/L	0.00166				0.35%
Zn 206.200†	50155.3	0.5134	mg/L	0.00004				0.01%
Ca 227.546†	420.5	2.001	mg/L	0.0218				1.09%
Sr 421.552†	-15.6	-0.0002	mg/L	0.00045				220.64%
Fe 259.939†	109860.0	0.9474	mg/L	0.01533				1.62%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 16
Sample ID: R1403252-001
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 40
Date Collected: 5/21/2014 3:41:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-001

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3485232.6	0.8762	mg/L	0.00255				0.29%
Ag 328.068†	-4.6	0.0000	mg/L	0.00034				>999.9%
Al 308.215†	8588.1	0.3517	mg/L	0.00307				0.87%
As 188.979†	0.7	0.0003	mg/L	0.00262				837.31%
B 249.772†	8081.1	0.0787	mg/L	0.00439				5.58%
Ba 233.527†	1767.5	0.0135	mg/L	0.00013				0.95%
Be 313.107†	-524.4	-0.0002	mg/L	0.00007				32.06%
Cd 226.502†	85.4	0.0006	mg/L	0.00003				5.54%
Co 228.616†	-21.2	-0.0004	mg/L	0.00015				34.11%
Cr 267.716†	186.8	0.0024	mg/L	0.00013				5.50%
Cu 324.752†	1338.2	0.0066	mg/L	0.00021				3.26%
K 766.490†	2165.3	1.849	mg/L	0.0296				1.60%
Mg 279.077†	73190.5	4.639	mg/L	0.0022				0.05%
Mn 257.610†	47217.9	0.0680	mg/L	0.00018				0.27%
Mo 202.031†	-0.3	0.0000	mg/L	0.00011				>999.9%
Ni 231.604†	43.4	0.0007	mg/L	0.00005				7.42%
Na 589.592†	40786.0	19.71	mg/L	0.216				1.09%
Pb 220.353†	9.9	0.0012	mg/L	0.00046				39.22%
Sb 206.836†	-1.9	-0.0005	mg/L	0.00106				200.84%
Se 196.026†	10.6	0.0077	mg/L	0.00374				48.51%
Sn 189.927†	-346.8	-0.0248	mg/L	0.00061				2.45%
Ti 337.279†	797.4	0.0020	mg/L	0.00021				10.59%
Tl 190.801†	3.3	0.0012	mg/L	0.00001				0.61%
V 292.402†	156.2	0.0015	mg/L	0.00015				10.17%

Zn 206.200†	517.2	0.0053	mg/L	0.00010	1.86%
Ca 227.546†	5717.7	27.20	mg/L	0.117	0.43%
Sr 421.552†	5108.9	0.0667	mg/L	0.00197	2.95%
Fe 259.939†	72686.6	0.6264	mg/L	0.00266	0.42%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 17
Sample ID: R1403252-001D
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 41
Date Collected: 5/21/2014 3:47:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-001D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3559859.7	0.8950	mg/L	0.00028				0.03%
Ag 328.068†	81.9	0.0004	mg/L	0.00064				143.65%
Al 308.215†	10250.7	0.4211	mg/L	0.00004				0.01%
As 188.979†	2.7	0.0010	mg/L	0.00100				100.80%
B 249.772†	5544.5	0.0514	mg/L	0.00138				2.68%
Ba 233.527†	1715.1	0.0131	mg/L	0.00007				0.51%
Be 313.107†	-473.1	-0.0002	mg/L	0.00000				0.03%
Cd 226.502†	78.0	0.0005	mg/L	0.00010				18.26%
Co 228.616†	-12.3	-0.0002	mg/L	0.00009				37.24%
Cr 267.716†	156.9	0.0020	mg/L	0.00019				9.38%
Cu 324.752†	893.1	0.0044	mg/L	0.00039				8.84%
K 766.490†	2115.6	1.807	mg/L	0.0065				0.36%
Mg 279.077†	73051.2	4.630	mg/L	0.0201				0.43%
Mn 257.610†	47763.5	0.0687	mg/L	0.00028				0.40%
Mo 202.031†	-2.5	-0.0001	mg/L	0.00010				104.03%
Ni 231.604†	27.4	0.0005	mg/L	0.00002				4.93%
Na 589.592†	40113.4	19.38	mg/L	0.166				0.86%
Pb 220.353†	20.7	0.0019	mg/L	0.00095				49.66%
Sb 206.836†	-4.0	-0.0011	mg/L	0.00289				259.76%
Se 196.026†	12.5	0.0092	mg/L	0.00337				36.86%
Sn 189.927†	-373.3	-0.0270	mg/L	0.00034				1.27%
Ti 337.279†	893.8	0.0022	mg/L	0.00003				1.24%
Tl 190.801†	7.7	0.0026	mg/L	0.00145				55.52%
V 292.402†	149.9	0.0014	mg/L	0.00001				0.81%
Zn 206.200†	458.2	0.0047	mg/L	0.00000				0.10%
Ca 227.546†	5653.3	26.90	mg/L	0.016				0.06%
Sr 421.552†	5054.2	0.0660	mg/L	0.00083				1.25%
Fe 259.939†	83873.9	0.7228	mg/L	0.00709				0.98%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 18
Sample ID: R1403252-001S
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 42
Date Collected: 5/21/2014 3:54:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-001S

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3487795.4	0.8769	mg/L	0.00185				0.21%
Ag 328.068†	10034.6	0.0503	mg/L	0.00050				1.00%
Al 308.215†	55016.9	2.279	mg/L	0.0052				0.23%
As 188.979†	117.3	0.0390	mg/L	0.00127				3.25%
B 249.772†	95649.3	0.9975	mg/L	0.01678				1.68%
Ba 233.527†	260398.1	1.986	mg/L	0.0011				0.06%
Be 313.107†	116549.7	0.0483	mg/L	0.00046				0.95%
Cd 226.502†	6586.1	0.0495	mg/L	0.00017				0.35%
Co 228.616†	24800.6	0.4976	mg/L	0.00163				0.33%
Cr 267.716†	16404.5	0.2025	mg/L	0.00086				0.43%
Cu 324.752†	53562.8	0.2629	mg/L	0.00184				0.70%
K 766.490†	23617.9	20.17	mg/L	0.017				0.08%
Mg 279.077†	103020.7	6.529	mg/L	0.0011				0.02%
Mn 257.610†	392579.5	0.5650	mg/L	0.00011				0.02%

Mo 202.031†	12794.9	0.4988 mg/L	0.00168		0.34%
Ni 231.604†	30994.6	0.5137 mg/L	0.00173		0.34%
Na 589.592†	76918.2	37.20 mg/L	0.108		0.29%
Pb 220.353†	7414.1	0.5128 mg/L	0.00107		0.21%
Sb 206.836†	1813.3	0.5030 mg/L	0.00254		0.50%
Se 196.026†	16.9	0.0128 mg/L	0.00503		39.30%
Sn 189.927†	-424.4	-0.0339 mg/L	0.00034		1.01%
Ti 337.279†	190774.4	0.4748 mg/L	0.00070		0.15%
Tl 190.801†	6005.2	1.985 mg/L	0.0105		0.53%
V 292.402†	54474.6	0.4981 mg/L	0.00878		1.76%
Zn 206.200†	49894.9	0.5108 mg/L	0.00155		0.30%
Ca 227.546†	5754.7	27.38 mg/L	0.046		0.17%
Sr 421.552†	4982.2	0.0651 mg/L	0.00039		0.60%
Fe 259.939†	196580.9	1.695 mg/L	0.0111		0.65%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 19
Sample ID: R1403252-001L
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 43
Date Collected: 5/21/2014 4:00:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-001L

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3767045.6	0.9471	mg/L	0.00371				0.39%
Ag 328.068†	-67.0	-0.0003	mg/L	0.00034				104.63%
Al 308.215†	1862.3	0.0763	mg/L	0.00418				5.47%
As 188.979†	-6.2	-0.0021	mg/L	0.00032				14.88%
B 249.772†	3456.2	0.0352	mg/L	0.00271				7.71%
Ba 233.527†	403.8	0.0031	mg/L	0.00017				5.48%
Be 313.107†	-239.1	-0.0001	mg/L	0.00003				31.62%
Cd 226.502†	-26.0	-0.0002	mg/L	0.00001				2.45%
Co 228.616†	-0.2	0.0000	mg/L	0.00029				>999.9%
Cr 267.716†	37.0	0.0005	mg/L	0.00026				55.81%
Cu 324.752†	34.9	0.0002	mg/L	0.00039				232.60%
K 766.490†	604.0	0.5158	mg/L	0.04786				9.28%
Mg 279.077†	14847.8	0.9410	mg/L	0.00801				0.85%
Mn 257.610†	9450.8	0.0136	mg/L	0.00009				0.68%
Mo 202.031†	-2.3	-0.0001	mg/L	0.00004				41.69%
Ni 231.604†	1.4	0.0000	mg/L	0.00043				>999.9%
Na 589.592†	8699.9	4.204	mg/L	0.0186				0.44%
Pb 220.353†	5.7	0.0005	mg/L	0.00015				30.43%
Sb 206.836†	-4.8	-0.0013	mg/L	0.00166				126.42%
Se 196.026†	-1.5	-0.0012	mg/L	0.00157				133.07%
Sn 189.927†	-120.1	-0.0091	mg/L	0.00010				1.12%
Ti 337.279†	203.8	0.0005	mg/L	0.00002				3.60%
Tl 190.801†	-2.5	-0.0008	mg/L	0.00311				389.76%
V 292.402†	36.9	0.0003	mg/L	0.00034				99.12%
Zn 206.200†	272.1	0.0028	mg/L	0.00015				5.43%
Ca 227.546†	1200.6	5.712	mg/L	0.0386				0.68%
Sr 421.552†	992.8	0.0130	mg/L	0.00024				1.88%
Fe 259.939†	13928.2	0.1200	mg/L	0.00038				0.32%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 20
Sample ID: R1403252-003
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 44
Date Collected: 5/21/2014 4:06:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-003

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3476563.8	0.8741	mg/L	0.00121				0.14%
Ag 328.068†	-34.7	-0.0002	mg/L	0.00053				346.44%
Al 308.215†	6194.5	0.2321	mg/L	0.00009				0.04%
As 188.979†	-1.5	-0.0005	mg/L	0.00022				45.49%

B 249.772†	5346.0	0.0413 mg/L	0.00124	3.01%
Ba 233.527†	8715.7	0.0665 mg/L	0.00001	0.02%
Be 313.107†	-865.5	-0.0004 mg/L	0.00000	0.96%
Cd 226.502†	57.7	0.0004 mg/L	0.00004	9.96%
Co 228.616†	-27.3	-0.0005 mg/L	0.00004	7.48%
Cr 267.716†	117.5	0.0014 mg/L	0.00008	5.77%
Cu 324.752†	1149.8	0.0055 mg/L	0.00039	7.08%
K 766.490†	4232.5	3.614 mg/L	0.0376	1.04%
Mg 279.077†	135095.8	8.562 mg/L	0.0074	0.09%
Mn 257.610†	21713.4	0.0313 mg/L	0.00001	0.04%
Mo 202.031†	14.7	0.0006 mg/L	0.00016	27.29%
Ni 231.604†	16.1	0.0003 mg/L	0.00000	1.45%
Na 589.592†	54586.4	26.38 mg/L	0.087	0.33%
Pb 220.353†	0.7	0.0019 mg/L	0.00072	38.44%
Sb 206.836†	-10.5	-0.0029 mg/L	0.00176	60.85%
Se 196.026†	12.4	0.0072 mg/L	0.00013	1.77%
Sn 189.927†	-542.3	-0.0279 mg/L	0.00112	4.02%
Ti 337.279†	915.5	0.0023 mg/L	0.00012	5.27%
Tl 190.801†	3.1	0.0012 mg/L	0.00041	35.04%
V 292.402†	183.4	0.0017 mg/L	0.00065	38.25%
Zn 206.200†	681.7	0.0070 mg/L	0.00011	1.52%
Ca 227.546†	24234.4	115.3 mg/L	0.24	0.21%
Sr 421.552†	34754.5	0.4539 mg/L	0.00034	0.07%
Fe 259.939†	44654.5	0.3847 mg/L	0.00134	0.35%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 21
Sample ID: R1403252-005
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 45
Date Collected: 5/21/2014 4:12:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-005

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3543807.8	0.8910	mg/L	0.01026				1.15%
Ag 328.068†	-105.5	-0.0005	mg/L	0.00021				45.12%
Al 308.215†	18802.2	0.7679	mg/L	0.01171				1.52%
As 188.979†	-7.3	-0.0024	mg/L	0.00157				64.90%
B 249.772†	4439.2	0.0325	mg/L	0.00167				5.15%
Ba 233.527†	4851.2	0.0370	mg/L	0.00047				1.27%
Be 313.107†	-619.3	-0.0003	mg/L	0.00005				18.20%
Cd 226.502†	47.6	0.0003	mg/L	0.00005				18.38%
Co 228.616†	-9.2	-0.0002	mg/L	0.00015				79.54%
Cr 267.716†	153.5	0.0019	mg/L	0.00054				27.79%
Cu 324.752†	790.9	0.0039	mg/L	0.00005				1.39%
K 766.490†	2849.0	2.433	mg/L	0.1282				5.27%
Mg 279.077†	106461.2	6.747	mg/L	0.0543				0.80%
Mn 257.610†	49578.3	0.0714	mg/L	0.00071				1.00%
Mo 202.031†	1.4	0.0001	mg/L	0.00019				343.24%
Ni 231.604†	38.9	0.0006	mg/L	0.00024				37.02%
Na 589.592†	38704.3	18.71	mg/L	0.465				2.49%
Pb 220.353†	16.4	0.0023	mg/L	0.00020				8.37%
Sb 206.836†	-11.8	-0.0033	mg/L	0.00419				128.86%
Se 196.026†	11.9	0.0079	mg/L	0.00098				12.39%
Sn 189.927†	-503.1	-0.0312	mg/L	0.00033				1.07%
Ti 337.279†	1901.8	0.0047	mg/L	0.00024				5.10%
Tl 190.801†	2.1	0.0008	mg/L	0.00126				153.61%
V 292.402†	247.7	0.0023	mg/L	0.00114				49.23%
Zn 206.200†	638.5	0.0065	mg/L	0.00002				0.34%
Ca 227.546†	14901.4	70.90	mg/L	0.839				1.18%
Sr 421.552†	15793.7	0.2063	mg/L	0.00495				2.40%
Fe 259.939†	128169.0	1.105	mg/L	0.0041				0.37%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 22
Sample ID: R1403252-007
Analyst:
Initial Sample Wt: 50 g

Autosampler Location: 46
Date Collected: 5/21/2014 4:18:42 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol: 20 mL

Mean Data: R1403252-007

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3869023.9	0.9727	mg/L	0.01501				1.54%
Ag 328.068†	13.0	0.0001	mg/L	0.00009				137.00%
Al 308.215†	333.3	0.0139	mg/L	0.00051				3.70%
As 188.979†	1.5	0.0005	mg/L	0.00036				69.62%
B 249.772†	844.8	0.0089	mg/L	0.00025				2.84%
Ba 233.527†	123.5	0.0009	mg/L	0.00021				22.04%
Be 313.107†	-15.5	0.0000	mg/L	0.00004				603.55%
Cd 226.502†	45.5	0.0003	mg/L	0.00012				35.10%
Co 228.616†	-3.8	-0.0001	mg/L	0.00004				51.93%
Cr 267.716†	56.5	0.0007	mg/L	0.00015				21.34%
Cu 324.752†	74.2	0.0004	mg/L	0.00065				178.96%
K 766.490†	59.9	0.0511	mg/L	0.00017				0.34%
Mg 279.077†	143.3	0.0091	mg/L	0.00117				12.90%
Mn 257.610†	182.7	0.0003	mg/L	0.00003				13.25%
Mo 202.031†	-6.5	-0.0003	mg/L	0.00037				144.54%
Ni 231.604†	-17.9	-0.0003	mg/L	0.00012				41.24%
Na 589.592†	119.6	0.0577	mg/L	0.01458				25.25%
Pb 220.353†	10.7	0.0007	mg/L	0.00117				157.71%
Sb 206.836†	0.9	0.0002	mg/L	0.00102				420.67%
Se 196.026†	1.1	0.0009	mg/L	0.00213				249.33%
Sn 189.927†	-322.7	-0.0268	mg/L	0.00027				1.01%
Ti 337.279†	233.4	0.0006	mg/L	0.00027				45.80%
Tl 190.801†	1.1	0.0004	mg/L	0.00146				411.39%
V 292.402†	51.6	0.0005	mg/L	0.00006				12.27%
Zn 206.200†	184.7	0.0019	mg/L	0.00016				8.20%
Ca 227.546†	0.4	0.0017	mg/L	0.04161				>999.9%
Sr 421.552†	-47.8	-0.0006	mg/L	0.00001				2.17%
Fe 259.939†	-119.5	-0.0010	mg/L	0.00022				21.49%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 23
Sample ID: R1403252-009
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 47
Date Collected: 5/21/2014 4:25:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-009

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3609007.4	0.9074	mg/L	0.00377				0.42%
Ag 328.068†	47.3	0.0002	mg/L	0.00036				147.13%
Al 308.215†	2634.6	0.1022	mg/L	0.00192				1.88%
As 188.979†	1.8	0.0006	mg/L	0.00079				123.58%
B 249.772†	2563.0	0.0224	mg/L	0.00024				1.06%
Ba 233.527†	3475.7	0.0265	mg/L	0.00007				0.27%
Be 313.107†	-489.1	-0.0002	mg/L	0.00001				6.74%
Cd 226.502†	41.3	0.0003	mg/L	0.00004				15.22%
Co 228.616†	-29.1	-0.0006	mg/L	0.00003				4.69%
Cr 267.716†	73.7	0.0010	mg/L	0.00014				14.47%
Cu 324.752†	631.1	0.0030	mg/L	0.00029				9.62%
K 766.490†	2481.7	2.119	mg/L	0.0652				3.08%
Mg 279.077†	85126.8	5.395	mg/L	0.0248				0.46%
Mn 257.610†	24677.7	0.0355	mg/L	0.00001				0.03%
Mo 202.031†	-15.9	-0.0006	mg/L	0.00006				8.91%
Ni 231.604†	23.4	0.0004	mg/L	0.00017				44.25%
Na 589.592†	43417.9	20.98	mg/L	0.058				0.28%
Pb 220.353†	10.9	0.0013	mg/L	0.00010				7.42%
Sb 206.836†	-8.8	-0.0024	mg/L	0.00285				117.36%
Se 196.026†	0.8	0.0000	mg/L	0.00136				>999.9%
Sn 189.927†	-455.6	-0.0330	mg/L	0.00019				0.57%
Ti 337.279†	260.5	0.0006	mg/L	0.00006				9.53%
Tl 190.801†	-2.2	-0.0007	mg/L	0.00249				381.67%
V 292.402†	57.5	0.0005	mg/L	0.00003				6.17%
Zn 206.200†	469.5	0.0048	mg/L	0.00002				0.48%

Ca 227.546†	6780.9	32.26 mg/L	0.093	0.29%
Sr 421.552†	5117.8	0.0668 mg/L	0.00027	0.41%
Fe 259.939†	21046.7	0.1813 mg/L	0.00078	0.43%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 24
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/21/2014 4:31:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3555909.3	0.8940	mg/L	0.00603				0.68%
Ag 328.068†	99992.7	0.5007	mg/L	0.00187	0.5007	mg/L	0.00187	0.37%
QC value within limits for Ag 328.068 Recovery = 100.14%								
Al 308.215†	244006.8	10.13	mg/L	0.004	10.13	mg/L	0.004	0.04%
QC value within limits for Al 308.215 Recovery = 101.26%								
As 188.979†	2876.5	0.9882	mg/L	0.00503	0.9882	mg/L	0.00503	0.51%
QC value within limits for As 188.979 Recovery = 98.82%								
B 249.772†	225739.0	2.353	mg/L	0.0768	2.353	mg/L	0.0768	3.26%
QC value within limits for B 249.772 Recovery = 94.11%								
Ba 233.527†	1336947.6	10.19	mg/L	0.038	10.19	mg/L	0.038	0.38%
QC value within limits for Ba 233.527 Recovery = 101.95%								
Be 313.107†	595113.0	0.2468	mg/L	0.00022	0.2468	mg/L	0.00022	0.09%
QC value within limits for Be 313.107 Recovery = 98.72%								
Cd 226.502†	66337.2	0.4993	mg/L	0.00341	0.4993	mg/L	0.00341	0.68%
QC value within limits for Cd 226.502 Recovery = 99.85%								
Co 228.616†	124102.5	2.490	mg/L	0.0047	2.490	mg/L	0.0047	0.19%
QC value within limits for Co 228.616 Recovery = 99.60%								
Cr 267.716†	40932.7	0.5056	mg/L	0.00259	0.5056	mg/L	0.00259	0.51%
QC value within limits for Cr 267.716 Recovery = 101.12%								
Cu 324.752†	253101.5	1.242	mg/L	0.0035	1.242	mg/L	0.0035	0.28%
QC value within limits for Cu 324.752 Recovery = 99.36%								
K 766.490†	28040.9	23.95	mg/L	0.302	23.95	mg/L	0.302	1.26%
QC value within limits for K 766.490 Recovery = 95.78%								
Mg 279.077†	391227.9	24.80	mg/L	0.087	24.80	mg/L	0.087	0.35%
QC value within limits for Mg 279.077 Recovery = 99.18%								
Mn 257.610†	515452.1	0.7419	mg/L	0.00263	0.7419	mg/L	0.00263	0.35%
QC value within limits for Mn 257.610 Recovery = 98.91%								
Mo 202.031†	62345.7	2.431	mg/L	0.0256	2.431	mg/L	0.0256	1.05%
QC value within limits for Mo 202.031 Recovery = 97.22%								
Ni 231.604†	120718.4	2.001	mg/L	0.0121	2.001	mg/L	0.0121	0.60%
QC value within limits for Ni 231.604 Recovery = 100.03%								
Na 589.592†	48273.9	23.50	mg/L	0.350	23.50	mg/L	0.350	1.49%
QC value within limits for Na 589.592 Recovery = 94.00%								
Pb 220.353†	7350.4	0.5128	mg/L	0.00369	0.5128	mg/L	0.00369	0.72%
QC value within limits for Pb 220.353 Recovery = 102.56%								
Sb 206.836†	17849.4	4.944	mg/L	0.0304	4.944	mg/L	0.0304	0.62%
QC value within limits for Sb 206.836 Recovery = 98.89%								
Se 196.026†	673.9	0.5087	mg/L	0.00010	0.5087	mg/L	0.00010	0.02%
QC value within limits for Se 196.026 Recovery = 101.74%								
Sn 189.927†	68359.1	5.664	mg/L	0.0431	5.664	mg/L	0.0431	0.76%
QC value greater than the upper limit for Sn 189.927 Recovery = 113.27%								
Ti 337.279†	970729.2	2.416	mg/L	0.0097	2.416	mg/L	0.0097	0.40%
QC value within limits for Ti 337.279 Recovery = 96.63%								
Tl 190.801†	3136.6	1.039	mg/L	0.0072	1.039	mg/L	0.0072	0.69%
QC value within limits for Tl 190.801 Recovery = 103.85%								
V 292.402†	270389.5	2.472	mg/L	0.0157	2.472	mg/L	0.0157	0.64%
QC value within limits for V 292.402 Recovery = 98.88%								
Zn 206.200†	97775.2	1.001	mg/L	0.0062	1.001	mg/L	0.0062	0.62%
QC value within limits for Zn 206.200 Recovery = 100.09%								
Ca 227.546†	5382.9	25.61	mg/L	0.227	25.61	mg/L	0.227	0.89%
QC value within limits for Ca 227.546 Recovery = 102.44%								
Sr 421.552†	177940.5	2.324	mg/L	0.0270	2.324	mg/L	0.0270	1.16%
QC value within limits for Sr 421.552 Recovery = 92.95%								
Fe 259.939†	563107.1	4.856	mg/L	0.0117	4.856	mg/L	0.0117	0.24%
QC value within limits for Fe 259.939 Recovery = 97.11%								

QC Failed. Continue with analysis.

Sequence No.: 25
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/21/2014 4:37:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3981747.7	1.001	mg/L	0.0052				0.52%
Ag 328.068†	109.7	0.0005	mg/L	0.00012	0.0005	mg/L	0.00012	21.38%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	38.1	0.0016	mg/L	0.00185	0.0016	mg/L	0.00185	116.00%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	4.0	0.0014	mg/L	0.00554	0.0014	mg/L	0.00554	398.11%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	5095.6	0.0538	mg/L	0.00650	0.0538	mg/L	0.00650	12.06%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	112.8	0.0009	mg/L	0.00025	0.0009	mg/L	0.00025	28.57%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	93.0	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	184.59%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	-27.5	-0.0002	mg/L	0.00010	-0.0002	mg/L	0.00010	46.41%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	9.0	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	28.05%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-20.0	-0.0002	mg/L	0.00013	-0.0002	mg/L	0.00013	51.94%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	61.3	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	38.89%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	159.9	0.1366	mg/L	0.06024	0.1366	mg/L	0.06024	44.11%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	18.7	0.0012	mg/L	0.00084	0.0012	mg/L	0.00084	71.29%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	44.5	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	123.60%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	9.1	0.0004	mg/L	0.00011	0.0004	mg/L	0.00011	31.70%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-0.2	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	145.6	0.0703	mg/L	0.02097	0.0703	mg/L	0.02097	29.81%
QC value within limits for Na 589.592 Recovery = Not calculated								
Pb 220.353†	10.0	0.0007	mg/L	0.00004	0.0007	mg/L	0.00004	5.92%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.0	0.0011	mg/L	0.00219	0.0011	mg/L	0.00219	196.87%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	4.8	0.0036	mg/L	0.00245	0.0036	mg/L	0.00245	68.12%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	182.3	0.0151	mg/L	0.00303	0.0151	mg/L	0.00303	20.03%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	181.0	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	24.65%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	-5.0	-0.0016	mg/L	0.00066	-0.0016	mg/L	0.00066	40.39%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	0.9	0.0000	mg/L	0.00073	0.0000	mg/L	0.00073	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-39.9	-0.0004	mg/L	0.00003	-0.0004	mg/L	0.00003	6.49%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ca 227.546†	-10.6	-0.0505	mg/L	0.01378	-0.0505	mg/L	0.01378	27.30%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Sr 421.552†	12.6	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	36.13%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Fe 259.939†	10.4	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	20.18%
QC value within limits for Fe 259.939 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 26
Sample ID: R1403252-011

Autosampler Location: 48
Date Collected: 5/21/2014 4:43:46 PM

Analyst:
Initial Sample Wt: 50 g
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-011

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3704951.0	0.9315	mg/L	0.00526				0.56%
Ag 328.068†	144.3	0.0008	mg/L	0.00029				37.84%
Al 308.215†	6649.1	0.2685	mg/L	0.00134				0.50%
As 188.979†	-6.7	-0.0023	mg/L	0.00093				40.83%
B 249.772†	5889.3	0.0545	mg/L	0.00335				6.14%
Ba 233.527†	2374.3	0.0181	mg/L	0.00033				1.82%
Be 313.107†	-516.6	-0.0002	mg/L	0.00005				21.82%
Cd 226.502†	39.3	0.0002	mg/L	0.00004				18.19%
Co 228.616†	-15.9	-0.0003	mg/L	0.00003				10.50%
Cr 267.716†	119.6	0.0015	mg/L	0.00013				8.59%
Cu 324.752†	777.0	0.0038	mg/L	0.00026				6.79%
K 766.490†	1552.2	1.326	mg/L	0.0291				2.20%
Mg 279.077†	72468.4	4.593	mg/L	0.0226				0.49%
Mn 257.610†	60497.7	0.0871	mg/L	0.00070				0.80%
Mo 202.031†	-6.4	-0.0003	mg/L	0.00003				11.26%
Ni 231.604†	0.7	0.0000	mg/L	0.00011				942.33%
Na 589.592†	14767.6	7.141	mg/L	0.0646				0.90%
Pb 220.353†	-0.1	0.0006	mg/L	0.00086				137.17%
Sb 206.836†	-0.1	0.0000	mg/L	0.00171				>999.9%
Se 196.026†	7.5	0.0052	mg/L	0.00414				80.12%
Sn 189.927†	-350.9	-0.0236	mg/L	0.00082				3.50%
Ti 337.279†	805.4	0.0020	mg/L	0.00056				28.18%
Tl 190.801†	-4.7	-0.0015	mg/L	0.00016				10.62%
V 292.402†	125.9	0.0012	mg/L	0.00025				21.02%
Zn 206.200†	366.2	0.0037	mg/L	0.00000				0.00%
Ca 227.546†	7902.1	37.60	mg/L	0.308				0.82%
Sr 421.552†	5180.0	0.0676	mg/L	0.00027				0.40%
Fe 259.939†	71401.5	0.6153	mg/L	0.00217				0.35%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

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Sequence No.: 27
Sample ID: R1403252-011D
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 49
Date Collected: 5/21/2014 4:50:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-011D

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3691063.9	0.9280	mg/L	0.00086				0.09%
Ag 328.068†	24.8	0.0002	mg/L	0.00017				109.53%
Al 308.215†	6435.5	0.2593	mg/L	0.00014				0.05%
As 188.979†	-3.6	-0.0012	mg/L	0.00174				147.93%
B 249.772†	3935.5	0.0335	mg/L	0.00143				4.26%
Ba 233.527†	2424.1	0.0185	mg/L	0.00001				0.04%
Be 313.107†	-440.3	-0.0002	mg/L	0.00003				17.52%
Cd 226.502†	15.6	0.0001	mg/L	0.00004				68.56%
Co 228.616†	-13.1	-0.0003	mg/L	0.00006				23.81%
Cr 267.716†	110.8	0.0014	mg/L	0.00009				6.49%
Cu 324.752†	563.8	0.0028	mg/L	0.00017				6.13%
K 766.490†	1499.6	1.281	mg/L	0.0012				0.10%
Mg 279.077†	75820.0	4.805	mg/L	0.0083				0.17%
Mn 257.610†	61916.3	0.0891	mg/L	0.00035				0.39%
Mo 202.031†	-7.2	-0.0003	mg/L	0.00013				46.66%
Ni 231.604†	2.3	0.0000	mg/L	0.00004				97.72%
Na 589.592†	15400.2	7.447	mg/L	0.0645				0.87%
Pb 220.353†	10.1	0.0014	mg/L	0.00055				40.40%
Sb 206.836†	-8.0	-0.0022	mg/L	0.00200				90.68%
Se 196.026†	6.6	0.0044	mg/L	0.00009				2.05%
Sn 189.927†	-433.6	-0.0302	mg/L	0.00014				0.46%
Ti 337.279†	684.9	0.0017	mg/L	0.00002				1.45%
Tl 190.801†	-8.9	-0.0028	mg/L	0.00019				6.62%

V 292.402†	109.6	0.0010 mg/L	0.00020		18.97%
Zn 206.200†	433.9	0.0044 mg/L	0.00002		0.50%
Ca 227.546†	8242.8	39.22 mg/L	0.059		0.15%
Sr 421.552†	5403.8	0.0706 mg/L	0.00083		1.18%
Fe 259.939†	74254.3	0.6399 mg/L	0.00497		0.78%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 28
Sample ID: R1403252-011S
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 50
Date Collected: 5/21/2014 4:57:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-011S

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3605284.3	0.9064	mg/L	0.00061				0.07%
Ag 328.068†	9850.8	0.0494	mg/L	0.00068				1.37%
Al 308.215†	52111.7	2.156	mg/L	0.0022				0.10%
As 188.979†	114.4	0.0379	mg/L	0.00285				7.51%
B 249.772†	94724.3	0.9873	mg/L	0.01296				1.31%
Ba 233.527†	260712.7	1.988	mg/L	0.0046				0.23%
Be 313.107†	118953.6	0.0493	mg/L	0.00042				0.84%
Cd 226.502†	6532.4	0.0491	mg/L	0.00008				0.17%
Co 228.616†	24912.0	0.4999	mg/L	0.00086				0.17%
Cr 267.716†	16395.8	0.2023	mg/L	0.00070				0.35%
Cu 324.752†	54195.6	0.2660	mg/L	0.00096				0.36%
K 766.490†	23029.6	19.67	mg/L	0.295				1.50%
Mg 279.077†	103688.7	6.572	mg/L	0.0342				0.52%
Mn 257.610†	408355.3	0.5877	mg/L	0.00181				0.31%
Mo 202.031†	12751.9	0.4971	mg/L	0.00171				0.34%
Ni 231.604†	31152.2	0.5163	mg/L	0.00025				0.05%
Na 589.592†	51180.5	24.76	mg/L	0.366				1.48%
Pb 220.353†	7446.9	0.5152	mg/L	0.00192				0.37%
Sb 206.836†	1799.9	0.4993	mg/L	0.00092				0.18%
Se 196.026†	17.8	0.0132	mg/L	0.00071				5.34%
Sn 189.927†	-467.3	-0.0359	mg/L	0.00128				3.56%
Ti 337.279†	189401.6	0.4713	mg/L	0.00016				0.03%
Tl 190.801†	5969.0	1.973	mg/L	0.0047				0.24%
V 292.402†	55687.7	0.5092	mg/L	0.00482				0.95%
Zn 206.200†	50339.0	0.5153	mg/L	0.00244				0.47%
Ca 227.546†	7923.4	37.70	mg/L	0.122				0.32%
Sr 421.552†	5175.6	0.0676	mg/L	0.00048				0.71%
Fe 259.939†	182730.5	1.575	mg/L	0.0303				1.92%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 29
Sample ID: R1403252-011L
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 51
Date Collected: 5/21/2014 5:03:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-011L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3918764.5	0.9852	mg/L	0.00621				0.63%
Ag 328.068†	-76.8	-0.0004	mg/L	0.00010				27.45%
Al 308.215†	1406.8	0.0568	mg/L	0.00119				2.09%
As 188.979†	0.8	0.0003	mg/L	0.00184				636.47%
B 249.772†	2783.1	0.0278	mg/L	0.00324				11.64%
Ba 233.527†	532.8	0.0041	mg/L	0.00011				2.66%
Be 313.107†	-9.9	0.0000	mg/L	0.00003				755.99%
Cd 226.502†	-25.0	-0.0002	mg/L	0.00007				35.88%
Co 228.616†	-7.2	-0.0001	mg/L	0.00016				110.17%
Cr 267.716†	27.3	0.0003	mg/L	0.00020				56.43%
Cu 324.752†	-173.9	-0.0009	mg/L	0.00022				25.08%
K 766.490†	436.0	0.3723	mg/L	0.01483				3.98%
Mg 279.077†	15106.0	0.9574	mg/L	0.00728				0.76%

Mn 257.610†	12583.2	0.0181	mg/L	0.00018	1.02%
Mo 202.031†	-2.1	-0.0001	mg/L	0.00008	96.12%
Ni 231.604†	7.1	0.0001	mg/L	0.00022	183.83%
Na 589.592†	3296.7	1.594	mg/L	0.0343	2.15%
Pb 220.353†	10.0	0.0008	mg/L	0.00036	44.00%
Sb 206.836†	-7.0	-0.0019	mg/L	0.00130	67.15%
Se 196.026†	2.6	0.0018	mg/L	0.00279	151.11%
Sn 189.927†	-126.2	-0.0093	mg/L	0.00040	4.29%
Ti 337.279†	234.5	0.0006	mg/L	0.00009	15.91%
Tl 190.801†	3.7	0.0012	mg/L	0.00045	36.39%
V 292.402†	48.4	0.0004	mg/L	0.00064	142.19%
Zn 206.200†	257.6	0.0026	mg/L	0.00004	1.44%
Ca 227.546†	1718.4	8.176	mg/L	0.0620	0.76%
Sr 421.552†	1043.2	0.0136	mg/L	0.00027	1.96%
Fe 259.939†	13957.5	0.1203	mg/L	0.00076	0.63%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 30
Sample ID: R1403252-013
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 52
Date Collected: 5/21/2014 5:09:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-013

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3533851.3	0.8885	mg/L	0.00806				0.91%
Ag 328.068†	28.0	0.0002	mg/L	0.00023				129.82%
Al 308.215†	12251.1	0.4856	mg/L	0.00650				1.34%
As 188.979†	-5.1	-0.0017	mg/L	0.00171				100.19%
B 249.772†	5290.5	0.0394	mg/L	0.00086				2.19%
Ba 233.527†	10517.5	0.0802	mg/L	0.00104				1.30%
Be 313.107†	-776.1	-0.0003	mg/L	0.00006				17.65%
Cd 226.502†	94.1	0.0006	mg/L	0.00013				20.42%
Co 228.616†	-18.6	-0.0004	mg/L	0.00001				2.09%
Cr 267.716†	112.0	0.0016	mg/L	0.00003				2.12%
Cu 324.752†	1403.9	0.0066	mg/L	0.00060				9.14%
K 766.490†	3667.7	3.132	mg/L	0.0932				2.98%
Mg 279.077†	266119.9	16.87	mg/L	0.014				0.08%
Mn 257.610†	54843.0	0.0789	mg/L	0.00023				0.29%
Mo 202.031†	2.4	0.0001	mg/L	0.00002				22.71%
Ni 231.604†	43.1	0.0007	mg/L	0.00007				9.95%
Na 589.592†	52031.0	25.15	mg/L	0.265				1.06%
Pb 220.353†	16.1	0.0029	mg/L	0.00074				25.41%
Sb 206.836†	-10.7	-0.0030	mg/L	0.00082				27.68%
Se 196.026†	10.6	0.0061	mg/L	0.00090				14.68%
Sn 189.927†	-537.1	-0.0288	mg/L	0.00049				1.71%
Ti 337.279†	1413.2	0.0035	mg/L	0.00013				3.83%
Tl 190.801†	3.7	0.0015	mg/L	0.00001				0.98%
V 292.402†	216.6	0.0020	mg/L	0.00015				7.52%
Zn 206.200†	3060.7	0.0313	mg/L	0.00023				0.72%
Ca 227.546†	22389.9	106.5	mg/L	0.80				0.75%
Sr 421.552†	13563.2	0.1771	mg/L	0.00180				1.02%
Fe 259.939†	90995.1	0.7840	mg/L	0.00891				1.14%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 31
Sample ID: R1403252-015
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 53
Date Collected: 5/21/2014 5:15:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-015

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3476827.9	0.8741	mg/L	0.00993				1.14%
Ag 328.068†	-17.3	-0.0001	mg/L	0.00062				916.24%
Al 308.215†	5327.3	0.2082	mg/L	0.00271				1.30%

As 188.979†	-3.1	-0.0010 mg/L	0.00397	378.78%
B 249.772†	4153.0	0.0354 mg/L	0.00069	1.95%
Ba 233.527†	4456.6	0.0340 mg/L	0.00040	1.18%
Be 313.107†	-1035.1	-0.0004 mg/L	0.00004	10.23%
Cd 226.502†	38.5	0.0003 mg/L	0.00001	1.97%
Co 228.616†	-48.2	-0.0010 mg/L	0.00019	19.32%
Cr 267.716†	84.0	0.0012 mg/L	0.00017	13.82%
Cu 324.752†	1990.3	0.0095 mg/L	0.00055	5.84%
K 766.490†	5018.8	4.286 mg/L	0.0878	2.05%
Mg 279.077†	203678.4	12.91 mg/L	0.009	0.07%
Mn 257.610†	40035.3	0.0576 mg/L	0.00017	0.29%
Mo 202.031†	-10.0	-0.0004 mg/L	0.00023	58.21%
Ni 231.604†	10.7	0.0002 mg/L	0.00018	99.86%
Na 589.592†	193443.0	93.45 mg/L	2.013	2.15%
Pb 220.353†	5.3	0.0013 mg/L	0.00152	114.48%
Sb 206.836†	-10.6	-0.0029 mg/L	0.00082	28.05%
Se 196.026†	11.0	0.0073 mg/L	0.00289	39.43%
Sn 189.927†	-499.7	-0.0331 mg/L	0.00003	0.09%
Ti 337.279†	306.8	0.0008 mg/L	0.00032	41.69%
Tl 190.801†	1.8	0.0008 mg/L	0.00054	67.90%
V 292.402†	140.3	0.0013 mg/L	0.00001	0.80%
Zn 206.200†	966.1	0.0099 mg/L	0.00020	2.07%
Ca 227.546†	11887.7	56.56 mg/L	0.505	0.89%
Sr 421.552†	12371.3	0.1616 mg/L	0.00354	2.19%
Fe 259.939†	42717.4	0.3680 mg/L	0.00600	1.63%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

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Sequence No.: 32
Sample ID: R1403252-017
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 54
Date Collected: 5/21/2014 5:21:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-017

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3664486.5	0.9213	mg/L	0.00121				0.13%
Ag 328.068†	-38.8	-0.0002	mg/L	0.00043				283.20%
Al 308.215†	10330.6	0.4232	mg/L	0.00013				0.03%
As 188.979†	-1.6	-0.0005	mg/L	0.00238				484.71%
B 249.772†	3367.6	0.0275	mg/L	0.00072				2.60%
Ba 233.527†	5109.2	0.0390	mg/L	0.00016				0.40%
Be 313.107†	-568.7	-0.0002	mg/L	0.00002				7.01%
Cd 226.502†	66.5	0.0004	mg/L	0.00000				0.12%
Co 228.616†	-10.2	-0.0002	mg/L	0.00042				205.37%
Cr 267.716†	127.5	0.0017	mg/L	0.00013				7.69%
Cu 324.752†	1189.0	0.0058	mg/L	0.00035				6.00%
K 766.490†	3007.6	2.568	mg/L	0.0801				3.12%
Mg 279.077†	108479.4	6.875	mg/L	0.0166				0.24%
Mn 257.610†	61002.1	0.0878	mg/L	0.00010				0.11%
Mo 202.031†	0.2	0.0000	mg/L	0.00013				>999.9%
Ni 231.604†	31.8	0.0005	mg/L	0.00008				16.07%
Na 589.592†	66049.7	31.91	mg/L	0.058				0.18%
Pb 220.353†	21.1	0.0020	mg/L	0.00016				7.69%
Sb 206.836†	-17.4	-0.0048	mg/L	0.00361				75.11%
Se 196.026†	6.8	0.0048	mg/L	0.00140				28.97%
Sn 189.927†	-441.6	-0.0321	mg/L	0.00040				1.25%
Ti 337.279†	1129.3	0.0028	mg/L	0.00008				2.96%
Tl 190.801†	1.9	0.0008	mg/L	0.00261				343.54%
V 292.402†	150.6	0.0014	mg/L	0.00018				12.60%
Zn 206.200†	1034.1	0.0106	mg/L	0.00013				1.21%
Ca 227.546†	6513.0	30.99	mg/L	0.031				0.10%
Sr 421.552†	6242.0	0.0815	mg/L	0.00023				0.28%
Fe 259.939†	92510.7	0.7972	mg/L	0.00752				0.94%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

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Sequence No.: 33
Sample ID: R1403252-019
Analyst:

Autosampler Location: 55
Date Collected: 5/21/2014 5:27:54 PM
Data Type: Original

Initial Sample Wt: 50 g
Dilution:

Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-019

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3486209.3	0.8765	mg/L	0.00364				0.41%
Ag 328.068†	-140.2	-0.0007	mg/L	0.00019				28.44%
Al 308.215†	2866.0	0.1073	mg/L	0.00166				1.54%
As 188.979†	1.8	0.0007	mg/L	0.00007				10.76%
B 249.772†	3390.8	0.0278	mg/L	0.00001				0.03%
Ba 233.527†	5103.0	0.0389	mg/L	0.00026				0.67%
Be 313.107†	-1030.9	-0.0004	mg/L	0.00002				3.94%
Cd 226.502†	33.2	0.0002	mg/L	0.00005				23.85%
Co 228.616†	-41.1	-0.0008	mg/L	0.00000				0.59%
Cr 267.716†	70.7	0.0010	mg/L	0.00005				5.15%
Cu 324.752†	1177.3	0.0056	mg/L	0.00103				18.51%
K 766.490†	3615.3	3.087	mg/L	0.1323				4.29%
Mg 279.077†	170823.5	10.83	mg/L	0.037				0.34%
Mn 257.610†	44562.2	0.0641	mg/L	0.00008				0.12%
Mo 202.031†	0.4	0.0000	mg/L	0.00006				356.05%
Ni 231.604†	-15.2	-0.0003	mg/L	0.00007				28.83%
Na 589.592†	173857.7	83.99	mg/L	0.951				1.13%
Pb 220.353†	9.6	0.0015	mg/L	0.00120				79.48%
Sb 206.836†	-11.2	-0.0031	mg/L	0.00140				45.07%
Se 196.026†	7.5	0.0048	mg/L	0.00632				130.77%
Sn 189.927†	-489.9	-0.0333	mg/L	0.00024				0.74%
Ti 337.279†	169.6	0.0004	mg/L	0.00027				63.47%
Tl 190.801†	4.6	0.0017	mg/L	0.00361				211.01%
V 292.402†	129.0	0.0012	mg/L	0.00018				14.78%
Zn 206.200†	512.1	0.0052	mg/L	0.00013				2.50%
Ca 227.546†	10466.4	49.80	mg/L	0.105				0.21%
Sr 421.552†	11689.7	0.1527	mg/L	0.00048				0.32%
Fe 259.939†	48202.9	0.4153	mg/L	0.00040				0.10%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 34
Sample ID: R1403252-021
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 56
Date Collected: 5/21/2014 5:34:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-021

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3501796.2	0.8804	mg/L	0.00294				0.33%
Ag 328.068†	3.2	0.0000	mg/L	0.00055				>999.9%
Al 308.215†	8409.4	0.3350	mg/L	0.00266				0.79%
As 188.979†	-4.4	-0.0015	mg/L	0.00155				106.67%
B 249.772†	2675.2	0.0176	mg/L	0.00030				1.73%
Ba 233.527†	11058.5	0.0843	mg/L	0.00021				0.25%
Be 313.107†	-787.8	-0.0003	mg/L	0.00002				4.94%
Cd 226.502†	60.4	0.0004	mg/L	0.00015				36.13%
Co 228.616†	-41.9	-0.0008	mg/L	0.00030				35.53%
Cr 267.716†	116.4	0.0016	mg/L	0.00008				4.62%
Cu 324.752†	929.4	0.0043	mg/L	0.00018				4.13%
K 766.490†	3013.1	2.573	mg/L	0.0193				0.75%
Mg 279.077†	216545.6	13.72	mg/L	0.015				0.11%
Mn 257.610†	41189.8	0.0593	mg/L	0.00002				0.03%
Mo 202.031†	-3.7	-0.0001	mg/L	0.00014				98.39%
Ni 231.604†	-12.9	-0.0002	mg/L	0.00011				49.25%
Na 589.592†	49273.9	23.82	mg/L	0.097				0.41%
Pb 220.353†	3.7	0.0014	mg/L	0.00038				28.35%
Sb 206.836†	-9.7	-0.0027	mg/L	0.00200				74.90%
Se 196.026†	13.7	0.0092	mg/L	0.00250				27.02%
Sn 189.927†	-515.2	-0.0332	mg/L	0.00004				0.12%
Ti 337.279†	1218.0	0.0030	mg/L	0.00065				21.43%
Tl 190.801†	7.7	0.0028	mg/L	0.00086				30.88%
V 292.402†	176.4	0.0016	mg/L	0.00013				7.94%

Zn 206.200†	1135.5	0.0116 mg/L	0.00016	1.38%
Ca 227.546†	13492.0	64.19 mg/L	0.278	0.43%
Sr 421.552†	8125.9	0.1061 mg/L	0.00010	0.10%
Fe 259.939†	68633.8	0.5913 mg/L	0.00023	0.04%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 35
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/21/2014 5:40:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3533137.9	0.8883	mg/L	0.00825				0.93%
Ag 328.068†	100000.3	0.5007	mg/L	0.00120	0.5007	mg/L	0.00120	0.24%
QC value within limits for Ag 328.068 Recovery = 100.14%								
Al 308.215†	244759.8	10.16	mg/L	0.018	10.16	mg/L	0.018	0.17%
QC value within limits for Al 308.215 Recovery = 101.57%								
As 188.979†	2844.4	0.9771	mg/L	0.00981	0.9771	mg/L	0.00981	1.00%
QC value within limits for As 188.979 Recovery = 97.71%								
B 249.772†	224990.3	2.345	mg/L	0.0763	2.345	mg/L	0.0763	3.25%
QC value within limits for B 249.772 Recovery = 93.81%								
Ba 233.527†	1334282.7	10.17	mg/L	0.005	10.17	mg/L	0.005	0.05%
QC value within limits for Ba 233.527 Recovery = 101.74%								
Be 313.107†	598026.7	0.2480	mg/L	0.00112	0.2480	mg/L	0.00112	0.45%
QC value within limits for Be 313.107 Recovery = 99.20%								
Cd 226.502†	66237.4	0.4985	mg/L	0.00103	0.4985	mg/L	0.00103	0.21%
QC value within limits for Cd 226.502 Recovery = 99.70%								
Co 228.616†	124099.3	2.490	mg/L	0.0050	2.490	mg/L	0.0050	0.20%
QC value within limits for Co 228.616 Recovery = 99.60%								
Cr 267.716†	40961.3	0.5060	mg/L	0.00026	0.5060	mg/L	0.00026	0.05%
QC value within limits for Cr 267.716 Recovery = 101.19%								
Cu 324.752†	257304.5	1.263	mg/L	0.0068	1.263	mg/L	0.0068	0.54%
QC value within limits for Cu 324.752 Recovery = 101.01%								
K 766.490†	27868.1	23.80	mg/L	0.051	23.80	mg/L	0.051	0.22%
QC value within limits for K 766.490 Recovery = 95.19%								
Mg 279.077†	391221.2	24.79	mg/L	0.069	24.79	mg/L	0.069	0.28%
QC value within limits for Mg 279.077 Recovery = 99.18%								
Mn 257.610†	516339.0	0.7431	mg/L	0.00021	0.7431	mg/L	0.00021	0.03%
QC value within limits for Mn 257.610 Recovery = 99.08%								
Mo 202.031†	61927.3	2.414	mg/L	0.0096	2.414	mg/L	0.0096	0.40%
QC value within limits for Mo 202.031 Recovery = 96.57%								
Ni 231.604†	120216.1	1.992	mg/L	0.0004	1.992	mg/L	0.0004	0.02%
QC value within limits for Ni 231.604 Recovery = 99.62%								
Na 589.592†	48651.1	23.68	mg/L	0.157	23.68	mg/L	0.157	0.66%
QC value within limits for Na 589.592 Recovery = 94.72%								
Pb 220.353†	7251.6	0.5059	mg/L	0.00463	0.5059	mg/L	0.00463	0.92%
QC value within limits for Pb 220.353 Recovery = 101.19%								
Sb 206.836†	17674.1	4.896	mg/L	0.0411	4.896	mg/L	0.0411	0.84%
QC value within limits for Sb 206.836 Recovery = 97.92%								
Se 196.026†	675.7	0.5100	mg/L	0.00050	0.5100	mg/L	0.00050	0.10%
QC value within limits for Se 196.026 Recovery = 102.00%								
Sn 189.927†	68404.1	5.668	mg/L	0.0164	5.668	mg/L	0.0164	0.29%
QC value greater than the upper limit for Sn 189.927 Recovery = 113.35%								
Ti 337.279†	967889.5	2.409	mg/L	0.0048	2.409	mg/L	0.0048	0.20%
QC value within limits for Ti 337.279 Recovery = 96.35%								
Tl 190.801†	3103.8	1.028	mg/L	0.0093	1.028	mg/L	0.0093	0.91%
QC value within limits for Tl 190.801 Recovery = 102.77%								
V 292.402†	276909.1	2.532	mg/L	0.0179	2.532	mg/L	0.0179	0.71%
QC value within limits for V 292.402 Recovery = 101.27%								
Zn 206.200†	97932.8	1.003	mg/L	0.0034	1.003	mg/L	0.0034	0.34%
QC value within limits for Zn 206.200 Recovery = 100.25%								
Ca 227.546†	5359.9	25.50	mg/L	0.256	25.50	mg/L	0.256	1.01%
QC value within limits for Ca 227.546 Recovery = 102.00%								
Sr 421.552†	177299.7	2.315	mg/L	0.0090	2.315	mg/L	0.0090	0.39%
QC value within limits for Sr 421.552 Recovery = 92.62%								
Fe 259.939†	555834.1	4.793	mg/L	0.1025	4.793	mg/L	0.1025	2.14%
QC value within limits for Fe 259.939 Recovery = 95.86%								

QC Failed. Continue with analysis.

Sequence No.: 36 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 5/21/2014 5:46:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3841218.5	0.9657	mg/L	0.00103				0.11%
Ag 328.068†	-2.9	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	665.62%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	95.2	0.0040	mg/L	0.00028	0.0040	mg/L	0.00028	7.02%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.1	0.0004	mg/L	0.00038	0.0004	mg/L	0.00038	100.49%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	4735.9	0.0500	mg/L	0.00594	0.0500	mg/L	0.00594	11.87%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	232.1	0.0018	mg/L	0.00053	0.0018	mg/L	0.00053	30.09%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	67.7	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	267.66%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	-36.8	-0.0003	mg/L	0.00000	-0.0003	mg/L	0.00000	1.31%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	2.6	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	64.11%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-10.2	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	73.75%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-51.8	-0.0003	mg/L	0.00022	-0.0003	mg/L	0.00022	84.67%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	212.6	0.1815	mg/L	0.00986	0.1815	mg/L	0.00986	5.43%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	25.3	0.0016	mg/L	0.00053	0.0016	mg/L	0.00053	33.16%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	287.7	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	32.60%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	7.6	0.0003	mg/L	0.00030	0.0003	mg/L	0.00030	101.01%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-7.4	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	93.84%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	641.8	0.3100	mg/L	0.00793	0.3100	mg/L	0.00793	2.56%
QC value within limits for Na 589.592 Recovery = Not calculated								
Pb 220.353†	4.9	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	15.41%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.4	0.0004	mg/L	0.00248	0.0004	mg/L	0.00248	640.64%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.8	0.0014	mg/L	0.00095	0.0014	mg/L	0.00095	69.12%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	212.1	0.0176	mg/L	0.00303	0.0176	mg/L	0.00303	17.21%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	74.0	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	20.18%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	-6.2	-0.0021	mg/L	0.00103	-0.0021	mg/L	0.00103	50.33%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	65.1	0.0006	mg/L	0.00030	0.0006	mg/L	0.00030	50.39%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-37.8	-0.0004	mg/L	0.00013	-0.0004	mg/L	0.00013	33.94%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ca 227.546†	-11.6	-0.0550	mg/L	0.00943	-0.0550	mg/L	0.00943	17.16%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Sr 421.552†	58.3	0.0008	mg/L	0.00025	0.0008	mg/L	0.00025	32.88%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Fe 259.939†	22.2	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	46.47%
QC value within limits for Fe 259.939 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 37 **Autosampler Location: 6**

Sample ID: MRL
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 5/21/2014 5:52:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MRL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	3743401.5	0.9411	mg/L	0.00300				0.32%
Ag 328.068†	1907.7	0.0096	mg/L	0.00027	0.0096	mg/L	0.00027	2.84%
QC value within limits for Ag 328.068 Recovery = 95.52%								
Al 308.215†	5496.1	0.2284	mg/L	0.00076	0.2284	mg/L	0.00076	0.33%
QC value within limits for Al 308.215 Recovery = 114.21%								
As 188.979†	55.4	0.0191	mg/L	0.00169	0.0191	mg/L	0.00169	8.83%
QC value within limits for As 188.979 Recovery = 95.61%								
B 249.772†	18051.2	0.1900	mg/L	0.00131	0.1900	mg/L	0.00131	0.69%
QC value within limits for B 249.772 Recovery = 95.01%								
Ba 233.527†	26292.4	0.2005	mg/L	0.00029	0.2005	mg/L	0.00029	0.15%
QC value within limits for Ba 233.527 Recovery = 100.24%								
Be 313.107†	10835.4	0.0045	mg/L	0.00002	0.0045	mg/L	0.00002	0.53%
QC value within limits for Be 313.107 Recovery = 89.87%								
Cd 226.502†	1256.6	0.0095	mg/L	0.00009	0.0095	mg/L	0.00009	0.94%
QC value within limits for Cd 226.502 Recovery = 94.57%								
Co 228.616†	2444.2	0.0490	mg/L	0.00007	0.0490	mg/L	0.00007	0.14%
QC value within limits for Co 228.616 Recovery = 98.07%								
Cr 267.716†	793.2	0.0098	mg/L	0.00013	0.0098	mg/L	0.00013	1.32%
QC value within limits for Cr 267.716 Recovery = 98.06%								
Cu 324.752†	5053.1	0.0248	mg/L	0.00005	0.0248	mg/L	0.00005	0.20%
QC value within limits for Cu 324.752 Recovery = 99.20%								
K 766.490†	1236.1	1.056	mg/L	0.0173	1.056	mg/L	0.0173	1.64%
QC value within limits for K 766.490 Recovery = 105.56%								
Mg 279.077†	16174.1	1.025	mg/L	0.0015	1.025	mg/L	0.0015	0.14%
QC value within limits for Mg 279.077 Recovery = 102.51%								
Mn 257.610†	10654.7	0.0153	mg/L	0.00010	0.0153	mg/L	0.00010	0.65%
QC value within limits for Mn 257.610 Recovery = 102.23%								
Mo 202.031†	642.2	0.0250	mg/L	0.00021	0.0250	mg/L	0.00021	0.84%
QC value within limits for Mo 202.031 Recovery = 100.14%								
Ni 231.604†	2416.9	0.0401	mg/L	0.00012	0.0401	mg/L	0.00012	0.30%
QC value within limits for Ni 231.604 Recovery = 100.14%								
Na 589.592†	2024.5	0.9808	mg/L	0.00605	0.9808	mg/L	0.00605	0.62%
QC value within limits for Na 589.592 Recovery = 98.08%								
Pb 220.353†	150.9	0.0105	mg/L	0.00074	0.0105	mg/L	0.00074	7.07%
QC value within limits for Pb 220.353 Recovery = 104.99%								
Sb 206.836†	202.2	0.0560	mg/L	0.00154	0.0560	mg/L	0.00154	2.75%
QC value within limits for Sb 206.836 Recovery = 93.35%								
Se 196.026†	15.4	0.0116	mg/L	0.00287	0.0116	mg/L	0.00287	24.80%
QC value within limits for Se 196.026 Recovery = 115.80%								
Sn 189.927†	6428.7	0.5336	mg/L	0.00293	0.5336	mg/L	0.00293	0.55%
QC value within limits for Sn 189.927 Recovery = 106.71%								
Ti 337.279†	18693.0	0.0465	mg/L	0.00012	0.0465	mg/L	0.00012	0.26%
QC value within limits for Ti 337.279 Recovery = 93.04%								
Tl 190.801†	63.0	0.0209	mg/L	0.00136	0.0209	mg/L	0.00136	6.51%
QC value within limits for Tl 190.801 Recovery = 104.29%								
V 292.402†	5098.1	0.0466	mg/L	0.00052	0.0466	mg/L	0.00052	1.12%
QC value within limits for V 292.402 Recovery = 93.21%								
Zn 206.200†	1801.7	0.0184	mg/L	0.00000	0.0184	mg/L	0.00000	0.02%
QC value within limits for Zn 206.200 Recovery = 92.22%								
Ca 227.546†	232.2	1.105	mg/L	0.0126	1.105	mg/L	0.0126	1.14%
QC value within limits for Ca 227.546 Recovery = 110.49%								
Sr 421.552†	7381.8	0.0964	mg/L	0.00081	0.0964	mg/L	0.00081	0.84%
QC value within limits for Sr 421.552 Recovery = 96.40%								
Fe 259.939†	11142.4	0.0960	mg/L	0.00046	0.0960	mg/L	0.00046	0.48%
QC value within limits for Fe 259.939 Recovery = 96.05%								

All analyte(s) passed QC.

Sequence No.: 38
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/21/2014 5:58:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3062103.2	0.7699	mg/L	0.00775				1.01%
Ag 328.068†	-714.0	0.0011	mg/L	0.00016	0.0011	mg/L	0.00016	14.33%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	5794202.1	241.4	mg/L	0.25	241.4	mg/L	0.25	0.10%
QC value within limits for Al 308.215 Recovery = 96.57%								
As 188.979†	70.9	-0.0083	mg/L	0.00607	-0.0083	mg/L	0.00607	73.54%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	58390.6	0.0192	mg/L	0.00124	0.0192	mg/L	0.00124	6.47%
Ba 233.527†	923.3	0.0070	mg/L	0.00012	0.0070	mg/L	0.00012	1.65%
Be 313.107†	-1914.1	-0.0008	mg/L	0.00005	-0.0008	mg/L	0.00005	5.80%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	1010.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	56.02%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-136.2	-0.0006	mg/L	0.00019	-0.0006	mg/L	0.00019	32.17%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-1009.4	-0.0016	mg/L	0.00017	-0.0016	mg/L	0.00017	10.59%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	1135.6	0.0079	mg/L	0.00061	0.0079	mg/L	0.00061	7.69%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	554.9	0.4739	mg/L	0.03447	0.4739	mg/L	0.03447	7.27%
Mg 279.077†	3899954.5	247.2	mg/L	0.55	247.2	mg/L	0.55	0.22%
QC value within limits for Mg 279.077 Recovery = 98.87%								
Mn 257.610†	-1471.1	-0.0021	mg/L	0.00014	-0.0021	mg/L	0.00014	6.40%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	253976.1	9.901	mg/L	0.1507	9.901	mg/L	0.1507	1.52%
QC value within limits for Mo 202.031 Recovery = 99.01%								
Ni 231.604†	-161.9	-0.0027	mg/L	0.00023	-0.0027	mg/L	0.00023	8.51%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	526.2	1.503	mg/L	0.0078	1.503	mg/L	0.0078	0.52%
Pb 220.353†	-705.8	0.0044	mg/L	0.00037	0.0044	mg/L	0.00037	8.56%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-79.7	0.0050	mg/L	0.00508	0.0050	mg/L	0.00508	102.22%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-27.7	0.0042	mg/L	0.00333	0.0042	mg/L	0.00333	78.95%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-513.2	-0.0598	mg/L	0.00162	-0.0598	mg/L	0.00162	2.71%
Ti 337.279†	-1359.8	-0.0034	mg/L	0.00002	-0.0034	mg/L	0.00002	0.48%
Tl 190.801†	-26.0	0.0006	mg/L	0.00247	0.0006	mg/L	0.00247	431.63%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-397.7	0.0025	mg/L	0.00044	0.0025	mg/L	0.00044	17.83%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	699.6	0.0072	mg/L	0.00008	0.0072	mg/L	0.00008	1.16%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ca 227.546†	52792.7	251.2	mg/L	3.00	251.2	mg/L	3.00	1.19%
QC value within limits for Ca 227.546 Recovery = 100.47%								
Sr 421.552†	313.1	0.0041	mg/L	0.00004	0.0041	mg/L	0.00004	1.01%
Fe 259.939†	10657759.0	91.86	mg/L	1.436	91.86	mg/L	1.436	1.56%
QC value within limits for Fe 259.939 Recovery = 91.86%								

All analyte(s) passed QC.

Sequence No.: 39
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 5/21/2014 6:05:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3042870.2	0.7650	mg/L	0.00079				0.10%
Ag 328.068†	42993.9	0.2199	mg/L	0.00028	0.2199	mg/L	0.00028	0.13%
QC value within limits for Ag 328.068 Recovery = 109.95%								
Al 308.215†	5804954.0	241.9	mg/L	0.13	241.9	mg/L	0.13	0.05%
QC value within limits for Al 308.215 Recovery = 96.74%								
As 188.979†	372.8	0.0956	mg/L	0.00008	0.0956	mg/L	0.00008	0.08%

QC value within limits for As 188.979 Recovery = 95.57%						
B 249.772†	57271.2	0.0054 mg/L	0.00489	0.0054 mg/L	0.00489	90.50%
Ba 233.527†	71964.6	0.5487 mg/L	0.00153	0.5487 mg/L	0.00153	0.28%
QC value within limits for Ba 233.527 Recovery = 109.75%						
Be 313.107†	1233932.0	0.5117 mg/L	0.00113	0.5117 mg/L	0.00113	0.22%
QC value within limits for Be 313.107 Recovery = 102.34%						
Cd 226.502†	136052.6	1.017 mg/L	0.0028	1.017 mg/L	0.0028	0.27%
QC value within limits for Cd 226.502 Recovery = 101.72%						
Co 228.616†	23299.1	0.4696 mg/L	0.00238	0.4696 mg/L	0.00238	0.51%
QC value within limits for Co 228.616 Recovery = 93.92%						
Cr 267.716†	41274.8	0.5197 mg/L	0.00177	0.5197 mg/L	0.00177	0.34%
QC value within limits for Cr 267.716 Recovery = 103.94%						
Cu 324.752†	105131.9	0.5188 mg/L	0.00324	0.5188 mg/L	0.00324	0.62%
QC value within limits for Cu 324.752 Recovery = 103.75%						
K 766.490†	535.2	0.4570 mg/L	0.01945	0.4570 mg/L	0.01945	4.26%
Mg 279.077†	3915318.4	248.1 mg/L	0.38	248.1 mg/L	0.38	0.15%
QC value within limits for Mg 279.077 Recovery = 99.26%						
Mn 257.610†	357515.6	0.5145 mg/L	0.00194	0.5145 mg/L	0.00194	0.38%
QC value within limits for Mn 257.610 Recovery = 102.91%						
Mo 202.031†	259594.3	10.12 mg/L	0.028	10.12 mg/L	0.028	0.28%
QC value within limits for Mo 202.031 Recovery = 101.20%						
Ni 231.604†	58331.6	0.9667 mg/L	0.00441	0.9667 mg/L	0.00441	0.46%
QC value within limits for Ni 231.604 Recovery = 96.67%						
Na 589.592†	433.0	1.472 mg/L	0.0239	1.472 mg/L	0.0239	1.62%
Pb 220.353†	41.9	0.0564 mg/L	0.00109	0.0564 mg/L	0.00109	1.93%
QC value within limits for Pb 220.353 Recovery = 112.81%						
Sb 206.836†	2181.1	0.6310 mg/L	0.00219	0.6310 mg/L	0.00219	0.35%
QC value within limits for Sb 206.836 Recovery = 105.17%						
Se 196.026†	39.7	0.0551 mg/L	0.00401	0.0551 mg/L	0.00401	7.28%
QC value within limits for Se 196.026 Recovery = 110.10%						
Sn 189.927†	-543.4	-0.0631 mg/L	0.00081	-0.0631 mg/L	0.00081	1.29%
Ti 337.279†	-1448.9	-0.0036 mg/L	0.00003	-0.0036 mg/L	0.00003	0.78%
Tl 190.801†	297.9	0.1078 mg/L	0.00097	0.1078 mg/L	0.00097	0.90%
QC value within limits for Tl 190.801 Recovery = 107.79%						
V 292.402†	54942.1	0.5083 mg/L	0.00273	0.5083 mg/L	0.00273	0.54%
QC value within limits for V 292.402 Recovery = 101.67%						
Zn 206.200†	99321.5	1.017 mg/L	0.0031	1.017 mg/L	0.0031	0.30%
QC value within limits for Zn 206.200 Recovery = 101.67%						
Ca 227.546†	53292.5	253.6 mg/L	0.46	253.6 mg/L	0.46	0.18%
QC value within limits for Ca 227.546 Recovery = 101.42%						
Sr 421.552†	298.2	0.0039 mg/L	0.00038	0.0039 mg/L	0.00038	9.80%
Fe 259.939†	10690594.1	92.15 mg/L	1.216	92.15 mg/L	1.216	1.32%
QC value within limits for Fe 259.939 Recovery = 92.15%						

All analyte(s) passed QC.

Sequence No.: 40
Sample ID: HLCCV2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 5/21/2014 6:11:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: HLCCV2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2875619.3	0.7230	mg/L	0.00175				0.24%
Ag 328.068†	415094.5	2.080	mg/L	0.0019	2.080	mg/L	0.0019	0.09%
QC value within limits for Ag 328.068 Recovery = 103.99%								
Al 308.215†	10856952.8	452.6	mg/L	3.41	452.6	mg/L	3.41	0.75%
QC value within limits for Al 308.215 Recovery = 90.51%								
As 188.979†	11996.3	4.114	mg/L	0.0382	4.114	mg/L	0.0382	0.93%
QC value within limits for As 188.979 Recovery = 102.85%								
B 249.772†	1025061.0	10.44	mg/L	0.121	10.44	mg/L	0.121	1.16%
QC value within limits for B 249.772 Recovery = 104.37%								
Ba 233.527†	5104497.7	38.92	mg/L	0.091	38.92	mg/L	0.091	0.23%
QC value within limits for Ba 233.527 Recovery = 97.31%								
Be 313.107†	2417735.6	1.003	mg/L	0.0129	1.003	mg/L	0.0129	1.28%
QC value within limits for Be 313.107 Recovery = 100.26%								
Cd 226.502†	260843.8	1.962	mg/L	0.0047	1.962	mg/L	0.0047	0.24%
QC value within limits for Cd 226.502 Recovery = 98.09%								
Co 228.616†	457451.3	9.179	mg/L	0.0161	9.179	mg/L	0.0161	0.18%

QC value within limits for Co 228.616 Recovery = 91.79%						
Cr 267.716†	798941.8	9.862 mg/L	0.0123	9.862 mg/L	0.0123	0.12%
QC value within limits for Cr 267.716 Recovery = 98.62%						
Cu 324.752†	992430.0	4.864 mg/L	0.0074	4.864 mg/L	0.0074	0.15%
QC value within limits for Cu 324.752 Recovery = 97.29%						
K 766.490†	191118.7	163.2 mg/L	1.43	163.2 mg/L	1.43	0.88%
QC value within limits for K 766.490 Recovery = 108.81%						
Mg 279.077†	7424093.5	470.5 mg/L	6.11	470.5 mg/L	6.11	1.30%
QC value within limits for Mg 279.077 Recovery = 94.10%						
Mn 257.610†	6893716.0	9.922 mg/L	0.0246	9.922 mg/L	0.0246	0.25%
QC value within limits for Mn 257.610 Recovery = 99.22%						
Mo 202.031†	255888.3	9.976 mg/L	0.0079	9.976 mg/L	0.0079	0.08%
QC value within limits for Mo 202.031 Recovery = 99.76%						
Ni 231.604†	456232.5	7.561 mg/L	0.0041	7.561 mg/L	0.0041	0.05%
QC value within limits for Ni 231.604 Recovery = 94.51%						
Na 589.592†	337744.8	164.4 mg/L	1.38	164.4 mg/L	1.38	0.84%
QC value within limits for Na 589.592 Recovery = 109.61%						
Pb 220.353†	140176.0	9.746 mg/L	0.0146	9.746 mg/L	0.0146	0.15%
QC value within limits for Pb 220.353 Recovery = 97.46%						
Sb 206.836†	361.7	0.1273 mg/L	0.01223	0.1273 mg/L	0.01223	9.61%
Se 196.026†	2799.9	2.113 mg/L	0.0271	2.113 mg/L	0.0271	1.28%
QC value within limits for Se 196.026 Recovery = 105.65%						
Sn 189.927†	507.7	0.0214 mg/L	0.00296	0.0214 mg/L	0.00296	13.87%
Ti 337.279†	3949557.4	9.829 mg/L	0.0004	9.829 mg/L	0.0004	0.00%
QC value within limits for Ti 337.279 Recovery = 98.29%						
Tl 190.801†	11567.2	3.830 mg/L	0.0356	3.830 mg/L	0.0356	0.93%
QC value within limits for Tl 190.801 Recovery = 95.74%						
V 292.402†	1053957.9	9.637 mg/L	0.0350	9.637 mg/L	0.0350	0.36%
QC value within limits for V 292.402 Recovery = 96.37%						
Zn 206.200†	380702.7	3.897 mg/L	0.0069	3.897 mg/L	0.0069	0.18%
QC value within limits for Zn 206.200 Recovery = 97.43%						
Ca 227.546†	48274.2	229.7 mg/L	1.30	229.7 mg/L	1.30	0.57%
QC value within limits for Ca 227.546 Recovery = 91.87%						
Sr 421.552†	786573.9	10.27 mg/L	0.073	10.27 mg/L	0.073	0.71%
QC value within limits for Sr 421.552 Recovery = 102.72%						
Fe 259.939†	5612698.6	48.38 mg/L	0.282	48.38 mg/L	0.282	0.58%
QC value within limits for Fe 259.939 Recovery = 96.76%						

All analyte(s) passed QC.

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Sequence No.: 41
Sample ID: HLCCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 5/21/2014 6:17:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: HLCCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3305408.1	0.8310	mg/L	0.00267				0.32%
Ag 328.068†	199478.2	0.9988	mg/L	0.00011	0.9988	mg/L	0.00011	0.01%
QC value within limits for Ag 328.068 Recovery = 99.88%								
Al 308.215†	479461.0	19.89	mg/L	0.031	19.89	mg/L	0.031	0.15%
QC value within limits for Al 308.215 Recovery = 99.47%								
As 188.979†	5911.1	2.031	mg/L	0.0212	2.031	mg/L	0.0212	1.04%
QC value within limits for As 188.979 Recovery = 101.54%								
B 249.772†	490232.0	5.115	mg/L	0.0403	5.115	mg/L	0.0403	0.79%
QC value within limits for B 249.772 Recovery = 102.30%								
Ba 233.527†	2609411.4	19.90	mg/L	0.019	19.90	mg/L	0.019	0.10%
QC value within limits for Ba 233.527 Recovery = 99.49%								
Be 313.107†	1191796.9	0.4942	mg/L	0.00322	0.4942	mg/L	0.00322	0.65%
QC value within limits for Be 313.107 Recovery = 98.85%								
Cd 226.502†	132084.4	0.9941	mg/L	0.00302	0.9941	mg/L	0.00302	0.30%
QC value within limits for Cd 226.502 Recovery = 99.41%								
Co 228.616†	245658.3	4.929	mg/L	0.0021	4.929	mg/L	0.0021	0.04%
QC value within limits for Co 228.616 Recovery = 98.58%								
Cr 267.716†	80720.4	0.9971	mg/L	0.00791	0.9971	mg/L	0.00791	0.79%
QC value within limits for Cr 267.716 Recovery = 99.71%								
Cu 324.752†	511532.7	2.510	mg/L	0.0246	2.510	mg/L	0.0246	0.98%
QC value within limits for Cu 324.752 Recovery = 100.40%								
K 766.490†	57321.5	48.95	mg/L	0.207	48.95	mg/L	0.207	0.42%

QC value within limits for K 766.490 Recovery = 97.90%

Mg 279.077†	772648.9	48.97 mg/L	0.058	48.97 mg/L	0.058	0.12%
QC value within limits for Mg 279.077 Recovery = 97.94%						
Mn 257.610†	1027621.6	1.479 mg/L	0.0007	1.479 mg/L	0.0007	0.05%
QC value within limits for Mn 257.610 Recovery = 98.60%						
Mo 202.031†	127307.1	4.963 mg/L	0.0365	4.963 mg/L	0.0365	0.74%
QC value within limits for Mo 202.031 Recovery = 99.26%						
Ni 231.604†	238545.5	3.953 mg/L	0.0138	3.953 mg/L	0.0138	0.35%
QC value within limits for Ni 231.604 Recovery = 98.83%						
Na 589.592†	99645.6	48.50 mg/L	0.351	48.50 mg/L	0.351	0.72%
QC value within limits for Na 589.592 Recovery = 97.00%						
Pb 220.353†	14614.6	1.020 mg/L	0.0134	1.020 mg/L	0.0134	1.32%
QC value within limits for Pb 220.353 Recovery = 101.97%						
Sb 206.836†	36482.6	10.11 mg/L	0.090	10.11 mg/L	0.090	0.90%
QC value within limits for Sb 206.836 Recovery = 101.06%						
Se 196.026†	1343.9	1.014 mg/L	0.0115	1.014 mg/L	0.0115	1.13%
QC value within limits for Se 196.026 Recovery = 101.45%						
Sn 189.927†	119956.1	9.936 mg/L	0.0405	9.936 mg/L	0.0405	0.41%
QC value within limits for Sn 189.927 Recovery = 99.36%						
Ti 337.279†	1985798.1	4.942 mg/L	0.0145	4.942 mg/L	0.0145	0.29%
QC value within limits for Ti 337.279 Recovery = 98.84%						
Tl 190.801†	6116.3	2.025 mg/L	0.0102	2.025 mg/L	0.0102	0.50%
QC value within limits for Tl 190.801 Recovery = 101.26%						
V 292.402†	547054.1	5.002 mg/L	0.0475	5.002 mg/L	0.0475	0.95%
QC value within limits for V 292.402 Recovery = 100.03%						
Zn 206.200†	194798.2	1.994 mg/L	0.0018	1.994 mg/L	0.0018	0.09%
QC value within limits for Zn 206.200 Recovery = 99.70%						
Ca 227.546†	10643.6	50.64 mg/L	0.270	50.64 mg/L	0.270	0.53%
QC value within limits for Ca 227.546 Recovery = 101.28%						
Sr 421.552†	373218.2	4.874 mg/L	0.0386	4.874 mg/L	0.0386	0.79%
QC value within limits for Sr 421.552 Recovery = 97.48%						
Fe 259.939†	1128368.0	9.730 mg/L	0.0038	9.730 mg/L	0.0038	0.04%
QC value within limits for Fe 259.939 Recovery = 97.30%						

All analyte(s) passed QC.

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Sequence No.: 42
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/21/2014 6:21:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3369816.8	0.8472	mg/L	0.00720				0.85%
Ag 328.068†	101240.9	0.5069	mg/L	0.00226	0.5069	mg/L	0.00226	0.45%
QC value within limits for Ag 328.068 Recovery = 101.38%								
Al 308.215†	246670.2	10.24	mg/L	0.022	10.24	mg/L	0.022	0.21%
QC value within limits for Al 308.215 Recovery = 102.36%								
As 188.979†	2921.0	1.004	mg/L	0.0153	1.004	mg/L	0.0153	1.53%
QC value within limits for As 188.979 Recovery = 100.35%								
B 249.772†	250919.6	2.619	mg/L	0.0687	2.619	mg/L	0.0687	2.62%
QC value within limits for B 249.772 Recovery = 104.75%								
Ba 233.527†	1341350.1	10.23	mg/L	0.051	10.23	mg/L	0.051	0.50%
QC value within limits for Ba 233.527 Recovery = 102.28%								
Be 313.107†	592812.2	0.2458	mg/L	0.00034	0.2458	mg/L	0.00034	0.14%
QC value within limits for Be 313.107 Recovery = 98.34%								
Cd 226.502†	66884.4	0.5034	mg/L	0.00440	0.5034	mg/L	0.00440	0.87%
QC value within limits for Cd 226.502 Recovery = 100.67%								
Co 228.616†	123750.1	2.483	mg/L	0.0132	2.483	mg/L	0.0132	0.53%
QC value within limits for Co 228.616 Recovery = 99.32%								
Cr 267.716†	41301.6	0.5102	mg/L	0.00213	0.5102	mg/L	0.00213	0.42%
QC value within limits for Cr 267.716 Recovery = 102.03%								
Cu 324.752†	258287.8	1.267	mg/L	0.0023	1.267	mg/L	0.0023	0.18%
QC value within limits for Cu 324.752 Recovery = 101.40%								
K 766.490†	28589.0	24.41	mg/L	0.516	24.41	mg/L	0.516	2.11%
QC value within limits for K 766.490 Recovery = 97.66%								
Mg 279.077†	389849.3	24.71	mg/L	0.165	24.71	mg/L	0.165	0.67%
QC value within limits for Mg 279.077 Recovery = 98.83%								
Mn 257.610†	518192.7	0.7458	mg/L	0.00374	0.7458	mg/L	0.00374	0.50%

QC value within limits for Mn 257.610 Recovery = 99.44%

Mo 202.031†	62788.5	2.448 mg/L	0.0103	2.448 mg/L	0.0103	0.42%

QC value within limits for Mo 202.031 Recovery = 97.91%

Ni 231.604†	120892.4	2.004 mg/L	0.0104	2.004 mg/L	0.0104	0.52%

QC value within limits for Ni 231.604 Recovery = 100.18%

Na 589.592†	48272.7	23.50 mg/L	0.486	23.50 mg/L	0.486	2.07%

QC value within limits for Na 589.592 Recovery = 94.00%

Pb 220.353†	7363.8	0.5138 mg/L	0.00669	0.5138 mg/L	0.00669	1.30%

QC value within limits for Pb 220.353 Recovery = 102.75%

Sb 206.836†	18024.7	4.993 mg/L	0.0686	4.993 mg/L	0.0686	1.37%

QC value within limits for Sb 206.836 Recovery = 99.86%

Se 196.026†	688.7	0.5198 mg/L	0.01266	0.5198 mg/L	0.01266	2.43%

QC value within limits for Se 196.026 Recovery = 103.97%

Sn 189.927†	68705.4	5.692 mg/L	0.0777	5.692 mg/L	0.0777	1.36%

QC value greater than the upper limit for Sn 189.927 Recovery = 113.85%

Ti 337.279†	974603.7	2.425 mg/L	0.0068	2.425 mg/L	0.0068	0.28%

QC value within limits for Ti 337.279 Recovery = 97.02%

Tl 190.801†	3155.8	1.045 mg/L	0.0101	1.045 mg/L	0.0101	0.97%

QC value within limits for Tl 190.801 Recovery = 104.49%

V 292.402†	272522.2	2.492 mg/L	0.0168	2.492 mg/L	0.0168	0.67%

QC value within limits for V 292.402 Recovery = 99.66%

Zn 206.200†	98482.2	1.008 mg/L	0.0083	1.008 mg/L	0.0083	0.82%

QC value within limits for Zn 206.200 Recovery = 100.81%

Ca 227.546†	5500.8	26.17 mg/L	0.321	26.17 mg/L	0.321	1.23%

QC value within limits for Ca 227.546 Recovery = 104.69%

Sr 421.552†	179997.8	2.351 mg/L	0.0451	2.351 mg/L	0.0451	1.92%

QC value within limits for Sr 421.552 Recovery = 94.03%

Fe 259.939†	561001.3	4.837 mg/L	0.0665	4.837 mg/L	0.0665	1.37%

QC value within limits for Fe 259.939 Recovery = 96.75%

QC Failed. Continue with analysis.

Sequence No.: 43
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/21/2014 6:28:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3780731.7	0.9505	mg/L	0.00244				0.26%
Ag 328.068†	275.3	0.0014	mg/L	0.00058	0.0014	mg/L	0.00058	42.38%

QC value within limits for Ag 328.068 Recovery = Not calculated

Al 308.215†	126.6	0.0053	mg/L	0.00071	0.0053	mg/L	0.00071	13.53%

QC value within limits for Al 308.215 Recovery = Not calculated

As 188.979†	6.4	0.0022	mg/L	0.00140	0.0022	mg/L	0.00140	63.84%

QC value within limits for As 188.979 Recovery = Not calculated

B 249.772†	13355.1	0.1411	mg/L	0.00987	0.1411	mg/L	0.00987	6.99%

QC value within limits for B 249.772 Recovery = Not calculated

Ba 233.527†	216.8	0.0017	mg/L	0.00022	0.0017	mg/L	0.00022	13.59%

QC value within limits for Ba 233.527 Recovery = Not calculated

Be 313.107†	199.2	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	16.18%

QC value within limits for Be 313.107 Recovery = Not calculated

Cd 226.502†	-32.1	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	19.19%

QC value within limits for Cd 226.502 Recovery = Not calculated

Co 228.616†	7.3	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	60.07%

QC value within limits for Co 228.616 Recovery = Not calculated

Cr 267.716†	9.7	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	130.24%

QC value within limits for Cr 267.716 Recovery = Not calculated

Cu 324.752†	1015.0	0.0050	mg/L	0.00060	0.0050	mg/L	0.00060	12.10%

QC value within limits for Cu 324.752 Recovery = Not calculated

K 766.490†	510.5	0.4360	mg/L	0.02181	0.4360	mg/L	0.02181	5.00%

QC value within limits for K 766.490 Recovery = Not calculated

Mg 279.077†	46.2	0.0029	mg/L	0.00019	0.0029	mg/L	0.00019	6.64%

QC value within limits for Mg 279.077 Recovery = Not calculated

Mn 257.610†	325.2	0.0005	mg/L	0.00008	0.0005	mg/L	0.00008	17.29%

QC value within limits for Mn 257.610 Recovery = Not calculated

Mo 202.031†	17.3	0.0007	mg/L	0.00008	0.0007	mg/L	0.00008	12.49%

QC value within limits for Mo 202.031 Recovery = Not calculated

Ni 231.604†	-1.7	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	228.44%

QC value within limits for Ni 231.604 Recovery = Not calculated

Na 589.592†	311.7	0.1506 mg/L	0.02059	0.1506 mg/L	0.02059	13.67%

QC value within limits for Na 589.592 Recovery = Not calculated

Pb 220.353†	-2.6	-0.0002 mg/L	0.00037	-0.0002 mg/L	0.00037	207.56%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	5.0	0.0014 mg/L	0.00000	0.0014 mg/L	0.00000	0.20%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	1.8	0.0014 mg/L	0.00157	0.0014 mg/L	0.00157	113.60%

QC value within limits for Se 196.026 Recovery = Not calculated

Sn 189.927†	311.6	0.0258 mg/L	0.00494	0.0258 mg/L	0.00494	19.11%

QC value within limits for Sn 189.927 Recovery = Not calculated

Ti 337.279†	77.5	0.0002 mg/L	0.00016	0.0002 mg/L	0.00016	82.02%

QC value within limits for Ti 337.279 Recovery = Not calculated

Tl 190.801†	-3.5	-0.0012 mg/L	0.00124	-0.0012 mg/L	0.00124	106.63%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 292.402†	72.3	0.0007 mg/L	0.00003	0.0007 mg/L	0.00003	4.99%

QC value within limits for V 292.402 Recovery = Not calculated

Zn 206.200†	0.9	0.0000 mg/L	0.00017	0.0000 mg/L	0.00017	>999.9%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ca 227.546†	-10.0	-0.0474 mg/L	0.04313	-0.0474 mg/L	0.04313	90.96%

QC value within limits for Ca 227.546 Recovery = Not calculated

Sr 421.552†	67.2	0.0009 mg/L	0.00027	0.0009 mg/L	0.00027	31.15%

QC value within limits for Sr 421.552 Recovery = Not calculated

Fe 259.939†	223.9	0.0019 mg/L	0.00023	0.0019 mg/L	0.00023	12.13%

QC value within limits for Fe 259.939 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 44
Sample ID: PBW-208539
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 57
Date Collected: 5/21/2014 6:34:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: PBW-208539

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3807646.4	0.9573	mg/L	0.00269				0.28%
Ag 328.068†	59.6	0.0003	mg/L	0.00031				105.48%
Al 308.215†	129.9	0.0054	mg/L	0.00161				29.72%
As 188.979†	2.8	0.0010	mg/L	0.00459				480.86%
B 249.772†	8127.3	0.0859	mg/L	0.00267				3.11%
Ba 233.527†	102.1	0.0008	mg/L	0.00026				33.88%
Be 313.107†	165.0	0.0001	mg/L	0.00002				31.83%
Cd 226.502†	-9.2	-0.0001	mg/L	0.00007				99.61%
Co 228.616†	-9.9	-0.0002	mg/L	0.00021				107.48%
Cr 267.716†	-5.7	-0.0001	mg/L	0.00026				371.51%
Cu 324.752†	915.1	0.0045	mg/L	0.00008				1.70%
K 766.490†	303.6	0.2593	mg/L	0.02148				8.28%
Mg 279.077†	25.9	0.0016	mg/L	0.00094				56.93%
Mn 257.610†	-270.7	-0.0004	mg/L	0.00003				6.43%
Mo 202.031†	0.2	0.0000	mg/L	0.00024				>999.9%
Ni 231.604†	-25.3	-0.0004	mg/L	0.00022				51.39%
Na 589.592†	-71.0	-0.0343	mg/L	0.00882				25.69%
Pb 220.353†	14.3	0.0010	mg/L	0.00025				25.78%
Sb 206.836†	0.9	0.0003	mg/L	0.00099				381.46%
Se 196.026†	8.7	0.0066	mg/L	0.00163				24.76%
Sn 189.927†	-317.6	-0.0264	mg/L	0.00148				5.61%
Ti 337.279†	45.7	0.0001	mg/L	0.00002				20.45%
Tl 190.801†	2.6	0.0009	mg/L	0.00156				179.29%
V 292.402†	59.6	0.0005	mg/L	0.00004				7.57%
Zn 206.200†	108.9	0.0011	mg/L	0.00008				7.10%
Ca 227.546†	-11.8	-0.0560	mg/L	0.02611				46.66%
Sr 421.552†	5.6	0.0001	mg/L	0.00036				497.21%
Fe 259.939†	-680.1	-0.0059	mg/L	0.00030				5.16%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 45
Sample ID: LCSW-208539
Analyst:

Autosampler Location: 58
Date Collected: 5/21/2014 6:40:24 PM
Data Type: Original

Initial Sample Wt: 50 g
Dilution:

Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: LCSW-208539

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3644025.9	0.9162	mg/L	0.01014				1.11%
Ag 328.068†	3973.4	0.0199	mg/L	0.00020				1.01%
Al 308.215†	20098.1	0.8347	mg/L	0.00237				0.28%
As 188.979†	48.9	0.0163	mg/L	0.00421				25.89%
B 249.772†	38799.6	0.4076	mg/L	0.00774				1.90%
Ba 233.527†	103367.3	0.7882	mg/L	0.00013				0.02%
Be 313.107†	43425.1	0.0180	mg/L	0.00002				0.12%
Cd 226.502†	2593.1	0.0195	mg/L	0.00032				1.64%
Co 228.616†	9787.0	0.1964	mg/L	0.00207				1.05%
Cr 267.716†	6294.7	0.0777	mg/L	0.00077				0.99%
Cu 324.752†	21648.1	0.1063	mg/L	0.00018				0.17%
K 766.490†	8562.6	7.312	mg/L	0.2146				2.94%
Mg 279.077†	12070.8	0.7650	mg/L	0.00952				1.24%
Mn 257.610†	132216.9	0.1903	mg/L	0.00016				0.08%
Mo 202.031†	4876.1	0.1901	mg/L	0.00199				1.04%
Ni 231.604†	12221.9	0.2025	mg/L	0.00210				1.04%
Na 589.592†	13693.9	6.627	mg/L	0.1294				1.95%
Pb 220.353†	3031.9	0.2095	mg/L	0.00356				1.70%
Sb 206.836†	693.3	0.1923	mg/L	0.00346				1.80%
Se 196.026†	9.1	0.0070	mg/L	0.00087				12.50%
Sn 189.927†	-393.6	-0.0336	mg/L	0.00035				1.04%
Ti 337.279†	73662.6	0.1833	mg/L	0.00097				0.53%
Tl 190.801†	2443.6	0.8077	mg/L	0.00876				1.08%
V 292.402†	20319.3	0.1858	mg/L	0.00075				0.40%
Zn 206.200†	19965.4	0.2044	mg/L	0.00250				1.22%
Ca 227.546†	157.4	0.7487	mg/L	0.03173				4.24%
Sr 421.552†	21.9	0.0003	mg/L	0.00007				25.17%
Fe 259.939†	43198.0	0.3725	mg/L	0.00363				0.98%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 46
Sample ID: R1403252-002
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 59
Date Collected: 5/21/2014 6:46:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-002

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3679861.1	0.9252	mg/L	0.00262				0.28%
Ag 328.068†	38.4	0.0002	mg/L	0.00019				97.41%
Al 308.215†	507.0	0.0187	mg/L	0.00005				0.28%
As 188.979†	-0.7	-0.0002	mg/L	0.00062				256.17%
B 249.772†	6656.4	0.0690	mg/L	0.00257				3.73%
Ba 233.527†	640.9	0.0049	mg/L	0.00007				1.50%
Be 313.107†	-273.0	-0.0001	mg/L	0.00003				24.78%
Cd 226.502†	-11.4	-0.0001	mg/L	0.00008				88.62%
Co 228.616†	-17.2	-0.0003	mg/L	0.00012				33.43%
Cr 267.716†	49.8	0.0006	mg/L	0.00029				45.64%
Cu 324.752†	689.5	0.0033	mg/L	0.00015				4.60%
K 766.490†	845.3	0.7218	mg/L	0.05029				6.97%
Mg 279.077†	26003.5	1.648	mg/L	0.0027				0.16%
Mn 257.610†	10723.8	0.0154	mg/L	0.00009				0.56%
Mo 202.031†	1.1	0.0000	mg/L	0.00038				908.94%
Ni 231.604†	30.5	0.0005	mg/L	0.00013				25.20%
Na 589.592†	13881.7	6.707	mg/L	0.0040				0.06%
Pb 220.353†	10.7	0.0009	mg/L	0.00044				48.50%
Sb 206.836†	-10.1	-0.0028	mg/L	0.00046				16.42%
Se 196.026†	5.0	0.0036	mg/L	0.00288				79.58%
Sn 189.927†	-402.3	-0.0319	mg/L	0.00025				0.79%
Ti 337.279†	-15.1	0.0000	mg/L	0.00015				390.46%
Tl 190.801†	0.4	0.0002	mg/L	0.00027				165.98%
V 292.402†	85.5	0.0008	mg/L	0.00003				4.24%

Zn 206.200†	129.6	0.0013	mg/L	0.00002	1.57%
Ca 227.546†	2134.7	10.16	mg/L	0.083	0.81%
Sr 421.552†	1759.3	0.0230	mg/L	0.00012	0.53%
Fe 259.939†	4695.1	0.0404	mg/L	0.00089	2.20%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 47
Sample ID: R1403252-002D
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 60
Date Collected: 5/21/2014 6:52:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-002D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3661845.9	0.9206	mg/L	0.00194				0.21%
Ag 328.068†	3.5	0.0000	mg/L	0.00017				887.99%
Al 308.215†	553.5	0.0204	mg/L	0.00013				0.62%
As 188.979†	-3.2	-0.0011	mg/L	0.00011				9.51%
B 249.772†	5184.9	0.0533	mg/L	0.00154				2.88%
Ba 233.527†	716.8	0.0055	mg/L	0.00000				0.05%
Be 313.107†	-322.0	-0.0001	mg/L	0.00001				10.30%
Cd 226.502†	-18.1	-0.0001	mg/L	0.00017				118.33%
Co 228.616†	-23.9	-0.0005	mg/L	0.00027				57.32%
Cr 267.716†	-6.1	-0.0001	mg/L	0.00001				19.82%
Cu 324.752†	513.1	0.0025	mg/L	0.00006				2.37%
K 766.490†	902.6	0.7708	mg/L	0.03515				4.56%
Mg 279.077†	29454.9	1.867	mg/L	0.0142				0.76%
Mn 257.610†	12091.1	0.0174	mg/L	0.00005				0.32%
Mo 202.031†	-8.6	-0.0003	mg/L	0.00024				72.31%
Ni 231.604†	-20.7	-0.0003	mg/L	0.00008				23.47%
Na 589.592†	15747.8	7.609	mg/L	0.0361				0.47%
Pb 220.353†	-2.1	0.0000	mg/L	0.00190				>999.9%
Sb 206.836†	-2.1	-0.0006	mg/L	0.00011				18.43%
Se 196.026†	-2.1	-0.0018	mg/L	0.00220				120.42%
Sn 189.927†	-445.5	-0.0353	mg/L	0.00055				1.55%
Ti 337.279†	-64.9	-0.0002	mg/L	0.00031				189.65%
Tl 190.801†	1.5	0.0005	mg/L	0.00217				413.90%
V 292.402†	103.3	0.0009	mg/L	0.00012				12.94%
Zn 206.200†	117.1	0.0012	mg/L	0.00009				7.35%
Ca 227.546†	2406.8	11.45	mg/L	0.041				0.36%
Sr 421.552†	2025.3	0.0264	mg/L	0.00066				2.49%
Fe 259.939†	4918.9	0.0424	mg/L	0.00001				0.02%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 48
Sample ID: R1403252-002S
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 61
Date Collected: 5/21/2014 6:58:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-002S

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3625943.4	0.9116	mg/L	0.00050				0.05%
Ag 328.068†	3798.8	0.0190	mg/L	0.00017				0.87%
Al 308.215†	19425.5	0.8042	mg/L	0.00449				0.56%
As 188.979†	42.8	0.0142	mg/L	0.00278				19.66%
B 249.772†	37679.2	0.3943	mg/L	0.00606				1.54%
Ba 233.527†	101467.4	0.7737	mg/L	0.00126				0.16%
Be 313.107†	43824.9	0.0182	mg/L	0.00011				0.61%
Cd 226.502†	2494.9	0.0188	mg/L	0.00006				0.34%
Co 228.616†	9610.1	0.1928	mg/L	0.00027				0.14%
Cr 267.716†	6206.2	0.0766	mg/L	0.00014				0.19%
Cu 324.752†	20352.0	0.0999	mg/L	0.00090				0.90%
K 766.490†	9015.9	7.699	mg/L	0.0366				0.48%
Mg 279.077†	39414.9	2.498	mg/L	0.0067				0.27%
Mn 257.610†	144552.1	0.2080	mg/L	0.00021				0.10%

Mo 202.031†	4798.4	0.1871 mg/L	0.00066		0.36%
Ni 231.604†	11967.1	0.1983 mg/L	0.00064		0.32%
Na 589.592†	28362.4	13.71 mg/L	0.027		0.19%
Pb 220.353†	2892.1	0.2000 mg/L	0.00025		0.13%
Sb 206.836†	687.6	0.1907 mg/L	0.00057		0.30%
Se 196.026†	10.2	0.0076 mg/L	0.00294		38.65%
Sn 189.927†	-463.2	-0.0378 mg/L	0.00021		0.55%
Ti 337.279†	71588.9	0.1782 mg/L	0.00125		0.70%
Tl 190.801†	2343.2	0.7746 mg/L	0.00008		0.01%
V 292.402†	20500.0	0.1874 mg/L	0.00157		0.84%
Zn 206.200†	19220.7	0.1968 mg/L	0.00046		0.23%
Ca 227.546†	2328.8	11.08 mg/L	0.032		0.29%
Sr 421.552†	1848.9	0.0241 mg/L	0.00045		1.87%
Fe 259.939†	48953.4	0.4221 mg/L	0.00272		0.65%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

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Sequence No.: 49
Sample ID: R1403252-002L
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 62
Date Collected: 5/21/2014 7:05:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-002L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3774544.1	0.9490	mg/L	0.00015				0.02%
Ag 328.068†	30.0	0.0002	mg/L	0.00028				188.33%
Al 308.215†	178.2	0.0069	mg/L	0.00018				2.57%
As 188.979†	-0.1	0.0000	mg/L	0.00072				>999.9%
B 249.772†	3375.1	0.0354	mg/L	0.00177				5.01%
Ba 233.527†	251.9	0.0019	mg/L	0.00004				2.02%
Be 313.107†	-142.9	-0.0001	mg/L	0.00005				77.88%
Cd 226.502†	-34.0	-0.0003	mg/L	0.00009				36.79%
Co 228.616†	-18.7	-0.0004	mg/L	0.00022				57.44%
Cr 267.716†	4.6	0.0001	mg/L	0.00015				251.72%
Cu 324.752†	181.7	0.0009	mg/L	0.00013				14.91%
K 766.490†	291.6	0.2490	mg/L	0.01670				6.71%
Mg 279.077†	5344.5	0.3387	mg/L	0.00013				0.04%
Mn 257.610†	2334.4	0.0034	mg/L	0.00000				0.08%
Mo 202.031†	-4.2	-0.0002	mg/L	0.00014				84.66%
Ni 231.604†	20.1	0.0003	mg/L	0.00001				1.88%
Na 589.592†	2735.9	1.322	mg/L	0.0441				3.34%
Pb 220.353†	0.8	0.0001	mg/L	0.00054				591.98%
Sb 206.836†	-15.1	-0.0042	mg/L	0.00004				1.05%
Se 196.026†	-1.3	-0.0010	mg/L	0.00465				454.08%
Sn 189.927†	-113.4	-0.0091	mg/L	0.00066				7.27%
Ti 337.279†	-37.1	-0.0001	mg/L	0.00020				216.00%
Tl 190.801†	-1.4	-0.0005	mg/L	0.00382				841.42%
V 292.402†	16.3	0.0001	mg/L	0.00007				45.68%
Zn 206.200†	204.0	0.0021	mg/L	0.00007				3.33%
Ca 227.546†	438.7	2.087	mg/L	0.0111				0.53%
Sr 421.552†	347.1	0.0045	mg/L	0.00004				0.83%
Fe 259.939†	590.2	0.0051	mg/L	0.00029				5.75%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

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Sequence No.: 50
Sample ID: R1403252-004
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 63
Date Collected: 5/21/2014 7:11:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-004

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3660148.6	0.9202	mg/L	0.00149				0.16%
Ag 328.068†	-60.0	-0.0003	mg/L	0.00007				24.72%
Al 308.215†	497.2	0.0110	mg/L	0.00125				11.41%
As 188.979†	0.9	0.0003	mg/L	0.00010				31.85%

B 249.772†	2970.3	0.0265 mg/L	0.00042	1.58%
Ba 233.527†	3040.0	0.0232 mg/L	0.00034	1.45%
Be 313.107†	-604.1	-0.0003 mg/L	0.00001	3.11%
Cd 226.502†	-26.9	-0.0002 mg/L	0.00010	50.17%
Co 228.616†	-29.4	-0.0006 mg/L	0.00005	8.65%
Cr 267.716†	19.3	0.0002 mg/L	0.00000	1.79%
Cu 324.752†	363.4	0.0017 mg/L	0.00001	0.82%
K 766.490†	1491.0	1.273 mg/L	0.0343	2.69%
Mg 279.077†	47002.0	2.979 mg/L	0.0177	0.59%
Mn 257.610†	4308.6	0.0062 mg/L	0.00001	0.15%
Mo 202.031†	-5.2	-0.0002 mg/L	0.00030	149.37%
Ni 231.604†	-17.1	-0.0003 mg/L	0.00020	71.88%
Na 589.592†	17940.1	8.669 mg/L	0.1127	1.30%
Pb 220.353†	-7.3	0.0002 mg/L	0.00047	283.17%
Sb 206.836†	-10.6	-0.0029 mg/L	0.00121	41.19%
Se 196.026†	8.0	0.0052 mg/L	0.00094	18.11%
Sn 189.927†	-526.2	-0.0373 mg/L	0.00039	1.04%
Ti 337.279†	-37.5	-0.0001 mg/L	0.00020	210.68%
Tl 190.801†	-0.5	-0.0001 mg/L	0.00162	>999.9%
V 292.402†	70.1	0.0006 mg/L	0.00053	83.03%
Zn 206.200†	144.2	0.0015 mg/L	0.00012	8.07%
Ca 227.546†	9035.9	42.99 mg/L	0.126	0.29%
Sr 421.552†	11806.9	0.1542 mg/L	0.00298	1.93%
Fe 259.939†	563.5	0.0048 mg/L	0.00015	3.16%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 51
Sample ID: R1403252-006
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 64
Date Collected: 5/21/2014 7:17:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-006

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3686581.3	0.9269	mg/L	0.00048			0.05%
Ag 328.068†	13.6	0.0001	mg/L	0.00001			9.25%
Al 308.215†	610.3	0.0189	mg/L	0.00230			12.19%
As 188.979†	-1.1	-0.0004	mg/L	0.00209			534.31%
B 249.772†	2324.7	0.0212	mg/L	0.00052			2.45%
Ba 233.527†	1713.1	0.0131	mg/L	0.00014			1.07%
Be 313.107†	-535.8	-0.0002	mg/L	0.00002			10.53%
Cd 226.502†	-26.7	-0.0002	mg/L	0.00010			50.52%
Co 228.616†	-13.7	-0.0003	mg/L	0.00008			29.05%
Cr 267.716†	13.3	0.0002	mg/L	0.00006			38.88%
Cu 324.752†	206.1	0.0009	mg/L	0.00029			30.96%
K 766.490†	1000.2	0.8542	mg/L	0.03983			4.66%
Mg 279.077†	40074.9	2.540	mg/L	0.0027			0.11%
Mn 257.610†	10686.0	0.0154	mg/L	0.00009			0.60%
Mo 202.031†	-6.9	-0.0003	mg/L	0.00013			49.76%
Ni 231.604†	-29.6	-0.0005	mg/L	0.00008			16.27%
Na 589.592†	14132.4	6.829	mg/L	0.0299			0.44%
Pb 220.353†	22.4	0.0020	mg/L	0.00019			9.66%
Sb 206.836†	-8.5	-0.0024	mg/L	0.00098			41.62%
Se 196.026†	8.7	0.0060	mg/L	0.00489			81.64%
Sn 189.927†	-502.0	-0.0374	mg/L	0.00045			1.20%
Ti 337.279†	-91.3	-0.0002	mg/L	0.00002			6.75%
Tl 190.801†	-0.6	-0.0002	mg/L	0.00037			212.38%
V 292.402†	73.5	0.0007	mg/L	0.00015			23.01%
Zn 206.200†	125.0	0.0013	mg/L	0.00006			4.63%
Ca 227.546†	5994.3	28.52	mg/L	0.040			0.14%
Sr 421.552†	5904.5	0.0771	mg/L	0.00059			0.77%
Fe 259.939†	3846.3	0.0331	mg/L	0.00046			1.39%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 52
Sample ID: R1403252-008
Analyst:
Initial Sample Wt: 50 g

Autosampler Location: 65
Date Collected: 5/21/2014 7:23:52 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol: 20 mL

Mean Data: R1403252-008

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3918982.1	0.9853	mg/L	0.00112				0.11%
Ag 328.068†	32.9	0.0002	mg/L	0.00033				203.55%
Al 308.215†	71.6	0.0030	mg/L	0.00024				8.02%
As 188.979†	-7.0	-0.0024	mg/L	0.00101				41.50%
B 249.772†	649.6	0.0069	mg/L	0.00059				8.60%
Ba 233.527†	110.8	0.0008	mg/L	0.00010				12.32%
Be 313.107†	-55.3	0.0000	mg/L	0.00006				242.00%
Cd 226.502†	-8.8	-0.0001	mg/L	0.00007				102.54%
Co 228.616†	-18.7	-0.0004	mg/L	0.00011				28.42%
Cr 267.716†	14.4	0.0002	mg/L	0.00005				29.11%
Cu 324.752†	-68.6	-0.0003	mg/L	0.00001				3.61%
K 766.490†	24.9	0.0213	mg/L	0.03400				159.71%
Mg 279.077†	51.3	0.0032	mg/L	0.00074				22.78%
Mn 257.610†	-248.2	-0.0004	mg/L	0.00005				13.76%
Mo 202.031†	-10.2	-0.0004	mg/L	0.00042				106.49%
Ni 231.604†	-24.2	-0.0004	mg/L	0.00008				18.71%
Na 589.592†	-369.9	-0.1787	mg/L	0.01086				6.08%
Pb 220.353†	12.6	0.0009	mg/L	0.00044				50.29%
Sb 206.836†	-13.6	-0.0038	mg/L	0.00302				80.16%
Se 196.026†	7.8	0.0058	mg/L	0.00034				5.90%
Sn 189.927†	-424.5	-0.0352	mg/L	0.00038				1.08%
Ti 337.279†	76.7	0.0002	mg/L	0.00009				44.80%
Tl 190.801†	-5.6	-0.0018	mg/L	0.00225				121.68%
V 292.402†	-11.1	-0.0001	mg/L	0.00027				266.65%
Zn 206.200†	71.0	0.0007	mg/L	0.00011				14.98%
Ca 227.546†	1.4	0.0066	mg/L	0.02218				336.81%
Sr 421.552†	-17.7	-0.0002	mg/L	0.00015				65.36%
Fe 259.939†	-865.9	-0.0075	mg/L	0.00000				0.05%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 53 Autosampler Location: 66
Sample ID: R1403252-010 Date Collected: 5/21/2014 7:30:09 PM
Analyst: Data Type: Original
Initial Sample Wt: 50 g Initial Sample Vol:
Dilution: Sample Prep Vol: 20 mL

Mean Data: R1403252-010

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3783670.9	0.9513	mg/L	0.00115				0.12%
Ag 328.068†	-69.2	-0.0003	mg/L	0.00046				133.58%
Al 308.215†	497.6	0.0184	mg/L	0.00027				1.49%
As 188.979†	-3.4	-0.0012	mg/L	0.00006				4.74%
B 249.772†	941.1	0.0088	mg/L	0.00045				5.08%
Ba 233.527†	1074.1	0.0082	mg/L	0.00003				0.32%
Be 313.107†	-393.7	-0.0002	mg/L	0.00005				32.35%
Cd 226.502†	-15.2	-0.0001	mg/L	0.00008				71.46%
Co 228.616†	-20.2	-0.0004	mg/L	0.00001				1.49%
Cr 267.716†	-6.3	-0.0001	mg/L	0.00011				179.94%
Cu 324.752†	72.1	0.0003	mg/L	0.00040				128.43%
K 766.490†	636.9	0.5439	mg/L	0.02505				4.61%
Mg 279.077†	25275.0	1.602	mg/L	0.0022				0.14%
Mn 257.610†	5630.3	0.0081	mg/L	0.00002				0.26%
Mo 202.031†	-9.0	-0.0004	mg/L	0.00041				115.39%
Ni 231.604†	-24.0	-0.0004	mg/L	0.00015				36.89%
Na 589.592†	11996.7	5.796	mg/L	0.0197				0.34%
Pb 220.353†	-1.6	0.0001	mg/L	0.00027				521.92%
Sb 206.836†	-11.3	-0.0031	mg/L	0.00443				141.30%
Se 196.026†	3.5	0.0024	mg/L	0.00155				64.19%
Sn 189.927†	-459.7	-0.0367	mg/L	0.00015				0.40%
Ti 337.279†	-95.5	-0.0002	mg/L	0.00051				214.12%
Tl 190.801†	-1.8	-0.0006	mg/L	0.00272				465.10%
V 292.402†	60.5	0.0006	mg/L	0.00038				68.61%
Zn 206.200†	309.2	0.0032	mg/L	0.00007				2.18%

Ca 227.546†	2119.9	10.09 mg/L	0.040		0.40%
Sr 421.552†	1435.5	0.0187 mg/L	0.00011		0.59%
Fe 259.939†	908.9	0.0078 mg/L	0.00031		4.03%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

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Sequence No.: 54
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/21/2014 7:36:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3469569.7	0.8723	mg/L	0.01070				1.23%
Ag 328.068†	100123.1	0.5013	mg/L	0.00127	0.5013	mg/L	0.00127	0.25%
QC value within limits for Ag 328.068 Recovery = 100.27%								
Al 308.215†	243561.6	10.11	mg/L	0.061	10.11	mg/L	0.061	0.60%
QC value within limits for Al 308.215 Recovery = 101.07%								
As 188.979†	2919.3	1.003	mg/L	0.0110	1.003	mg/L	0.0110	1.10%
QC value within limits for As 188.979 Recovery = 100.30%								
B 249.772†	229675.2	2.394	mg/L	0.0650	2.394	mg/L	0.0650	2.71%
QC value within limits for B 249.772 Recovery = 95.77%								
Ba 233.527†	1334595.9	10.18	mg/L	0.040	10.18	mg/L	0.040	0.40%
QC value within limits for Ba 233.527 Recovery = 101.77%								
Be 313.107†	591461.9	0.2453	mg/L	0.00241	0.2453	mg/L	0.00241	0.98%
QC value within limits for Be 313.107 Recovery = 98.11%								
Cd 226.502†	66981.4	0.5041	mg/L	0.00071	0.5041	mg/L	0.00071	0.14%
QC value within limits for Cd 226.502 Recovery = 100.82%								
Co 228.616†	124132.6	2.491	mg/L	0.0105	2.491	mg/L	0.0105	0.42%
QC value within limits for Co 228.616 Recovery = 99.63%								
Cr 267.716†	41187.6	0.5088	mg/L	0.00015	0.5088	mg/L	0.00015	0.03%
QC value within limits for Cr 267.716 Recovery = 101.75%								
Cu 324.752†	253783.7	1.245	mg/L	0.0102	1.245	mg/L	0.0102	0.82%
QC value within limits for Cu 324.752 Recovery = 99.63%								
K 766.490†	27654.0	23.62	mg/L	0.286	23.62	mg/L	0.286	1.21%
QC value within limits for K 766.490 Recovery = 94.46%								
Mg 279.077†	391658.4	24.82	mg/L	0.076	24.82	mg/L	0.076	0.31%
QC value within limits for Mg 279.077 Recovery = 99.29%								
Mn 257.610†	515806.6	0.7424	mg/L	0.00247	0.7424	mg/L	0.00247	0.33%
QC value within limits for Mn 257.610 Recovery = 98.98%								
Mo 202.031†	62591.5	2.440	mg/L	0.0075	2.440	mg/L	0.0075	0.31%
QC value within limits for Mo 202.031 Recovery = 97.60%								
Ni 231.604†	121407.4	2.012	mg/L	0.0073	2.012	mg/L	0.0073	0.36%
QC value within limits for Ni 231.604 Recovery = 100.60%								
Na 589.592†	46443.4	22.62	mg/L	0.267	22.62	mg/L	0.267	1.18%
QC value within limits for Na 589.592 Recovery = 90.46%								
Pb 220.353†	7401.5	0.5163	mg/L	0.00686	0.5163	mg/L	0.00686	1.33%
QC value within limits for Pb 220.353 Recovery = 103.26%								
Sb 206.836†	18000.0	4.986	mg/L	0.0536	4.986	mg/L	0.0536	1.07%
QC value within limits for Sb 206.836 Recovery = 99.72%								
Se 196.026†	696.0	0.5254	mg/L	0.00442	0.5254	mg/L	0.00442	0.84%
QC value within limits for Se 196.026 Recovery = 105.07%								
Sn 189.927†	68806.6	5.701	mg/L	0.0311	5.701	mg/L	0.0311	0.55%
QC value greater than the upper limit for Sn 189.927 Recovery = 114.02%								
Ti 337.279†	969334.0	2.412	mg/L	0.0014	2.412	mg/L	0.0014	0.06%
QC value within limits for Ti 337.279 Recovery = 96.49%								
Tl 190.801†	3146.5	1.042	mg/L	0.0068	1.042	mg/L	0.0068	0.65%
QC value within limits for Tl 190.801 Recovery = 104.18%								
V 292.402†	271108.4	2.479	mg/L	0.0391	2.479	mg/L	0.0391	1.58%
QC value within limits for V 292.402 Recovery = 99.15%								
Zn 206.200†	98864.1	1.012	mg/L	0.0043	1.012	mg/L	0.0043	0.42%
QC value within limits for Zn 206.200 Recovery = 101.20%								
Ca 227.546†	5374.9	25.57	mg/L	0.208	25.57	mg/L	0.208	0.81%
QC value within limits for Ca 227.546 Recovery = 102.29%								
Sr 421.552†	176326.1	2.303	mg/L	0.0311	2.303	mg/L	0.0311	1.35%
QC value within limits for Sr 421.552 Recovery = 92.11%								
Fe 259.939†	566132.8	4.882	mg/L	0.0807	4.882	mg/L	0.0807	1.65%
QC value within limits for Fe 259.939 Recovery = 97.63%								

QC Failed. Continue with analysis.

Sequence No.: 55
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/21/2014 7:42:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3887677.6	0.9774	mg/L	0.00203				0.21%
Ag 328.068†	46.2	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	55.53%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	74.7	0.0031	mg/L	0.00043	0.0031	mg/L	0.00043	13.92%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.7	0.0006	mg/L	0.00162	0.0006	mg/L	0.00162	279.70%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	5250.0	0.0555	mg/L	0.00580	0.0555	mg/L	0.00580	10.46%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	247.6	0.0019	mg/L	0.00058	0.0019	mg/L	0.00058	30.51%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-62.4	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	9.55%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	-17.6	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	31.54%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	11.0	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	31.53%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-19.6	-0.0002	mg/L	0.00024	-0.0002	mg/L	0.00024	99.76%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	173.7	0.0009	mg/L	0.00020	0.0009	mg/L	0.00020	23.91%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	148.8	0.1271	mg/L	0.01626	0.1271	mg/L	0.01626	12.80%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	19.9	0.0013	mg/L	0.00380	0.0013	mg/L	0.00380	300.91%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-7.3	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	681.92%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	10.0	0.0004	mg/L	0.00034	0.0004	mg/L	0.00034	86.76%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	4.7	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	63.75%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	-307.6	-0.1486	mg/L	0.01997	-0.1486	mg/L	0.01997	13.44%
QC value within limits for Na 589.592 Recovery = Not calculated								
Pb 220.353†	0.8	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	39.99%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.0	0.0017	mg/L	0.00117	0.0017	mg/L	0.00117	70.03%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	6.9	0.0052	mg/L	0.00632	0.0052	mg/L	0.00632	122.20%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	118.0	0.0098	mg/L	0.00163	0.0098	mg/L	0.00163	16.72%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	141.8	0.0004	mg/L	0.00026	0.0004	mg/L	0.00026	73.01%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	-4.1	-0.0013	mg/L	0.00132	-0.0013	mg/L	0.00132	98.01%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	54.6	0.0005	mg/L	0.00004	0.0005	mg/L	0.00004	8.56%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-56.6	-0.0006	mg/L	0.00003	-0.0006	mg/L	0.00003	4.95%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ca 227.546†	-15.7	-0.0745	mg/L	0.00173	-0.0745	mg/L	0.00173	2.32%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Sr 421.552†	3.3	0.0000	mg/L	0.00067	0.0000	mg/L	0.00067	>999.9%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Fe 259.939†	-413.4	-0.0036	mg/L	0.00005	-0.0036	mg/L	0.00005	1.49%
QC value within limits for Fe 259.939 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 56
Sample ID: R1403252-012

Autosampler Location: 67
Date Collected: 5/21/2014 7:48:45 PM

Analyst:
Initial Sample Wt: 50 g
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-012

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	3787362.8	0.9522	mg/L	0.00011				0.01%
Ag 328.068†	-4.6	0.0000	mg/L	0.00027				>999.9%
Al 308.215†	496.3	0.0173	mg/L	0.00192				11.12%
As 188.979†	0.5	0.0002	mg/L	0.00086				492.39%
B 249.772†	3389.2	0.0337	mg/L	0.00165				4.89%
Ba 233.527†	850.6	0.0065	mg/L	0.00004				0.55%
Be 313.107†	-343.8	-0.0001	mg/L	0.00001				8.22%
Cd 226.502†	-15.8	-0.0001	mg/L	0.00007				53.02%
Co 228.616†	-12.9	-0.0003	mg/L	0.00019				73.92%
Cr 267.716†	-3.2	0.0000	mg/L	0.00017				561.48%
Cu 324.752†	343.1	0.0017	mg/L	0.00026				16.02%
K 766.490†	546.0	0.4663	mg/L	0.04799				10.29%
Mg 279.077†	27248.5	1.727	mg/L	0.0085				0.49%
Mn 257.610†	16000.5	0.0230	mg/L	0.00003				0.14%
Mo 202.031†	-4.4	-0.0002	mg/L	0.00023				136.89%
Ni 231.604†	-18.6	-0.0003	mg/L	0.00029				92.62%
Na 589.592†	5237.0	2.532	mg/L	0.0111				0.44%
Pb 220.353†	-14.7	-0.0008	mg/L	0.00090				115.34%
Sb 206.836†	-7.2	-0.0020	mg/L	0.00209				104.71%
Se 196.026†	8.5	0.0061	mg/L	0.00132				21.52%
Sn 189.927†	-442.8	-0.0346	mg/L	0.00060				1.75%
Ti 337.279†	16.7	0.0000	mg/L	0.00003				66.98%
Tl 190.801†	-2.5	-0.0008	mg/L	0.00034				42.71%
V 292.402†	36.7	0.0003	mg/L	0.00020				59.87%
Zn 206.200†	347.5	0.0036	mg/L	0.00012				3.48%
Ca 227.546†	3103.9	14.77	mg/L	0.093				0.63%
Sr 421.552†	1902.0	0.0248	mg/L	0.00037				1.47%
Fe 259.939†	8888.6	0.0766	mg/L	0.00106				1.39%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 57
Sample ID: R1403252-012D
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 68
Date Collected: 5/21/2014 7:54:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-012D

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	3674586.6	0.9238	mg/L	0.00597				0.65%
Ag 328.068†	17.5	0.0001	mg/L	0.00041				413.17%
Al 308.215†	961.7	0.0310	mg/L	0.00050				1.63%
As 188.979†	-2.0	-0.0007	mg/L	0.00120				180.92%
B 249.772†	4097.3	0.0376	mg/L	0.00123				3.27%
Ba 233.527†	2188.2	0.0167	mg/L	0.00020				1.22%
Be 313.107†	-383.1	-0.0002	mg/L	0.00006				39.30%
Cd 226.502†	-6.2	-0.0001	mg/L	0.00004				64.03%
Co 228.616†	-14.5	-0.0003	mg/L	0.00010				33.72%
Cr 267.716†	50.2	0.0007	mg/L	0.00002				2.62%
Cu 324.752†	739.9	0.0035	mg/L	0.00013				3.54%
K 766.490†	1415.1	1.208	mg/L	0.0107				0.89%
Mg 279.077†	75353.3	4.776	mg/L	0.0307				0.64%
Mn 257.610†	46027.5	0.0662	mg/L	0.00040				0.60%
Mo 202.031†	-7.6	-0.0003	mg/L	0.00005				15.41%
Ni 231.604†	3.5	0.0001	mg/L	0.00017				297.56%
Na 589.592†	14697.9	7.105	mg/L	0.0018				0.03%
Pb 220.353†	-2.6	0.0004	mg/L	0.00041				92.98%
Sb 206.836†	-2.6	-0.0007	mg/L	0.00428				587.20%
Se 196.026†	8.4	0.0056	mg/L	0.00372				66.06%
Sn 189.927†	-401.8	-0.0276	mg/L	0.00054				1.94%
Ti 337.279†	117.8	0.0003	mg/L	0.00011				36.97%
Tl 190.801†	-7.5	-0.0024	mg/L	0.00295				123.12%

V 292.402†	141.7	0.0013 mg/L	0.00000		0.06%
Zn 206.200†	999.7	0.0102 mg/L	0.00013		1.31%
Ca 227.546†	8174.2	38.89 mg/L	0.392		1.01%
Sr 421.552†	5324.3	0.0695 mg/L	0.00045		0.64%
Fe 259.939†	25980.9	0.2238 mg/L	0.00060		0.27%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 58
Sample ID: R1403252-012S
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 69
Date Collected: 5/21/2014 8:01:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-012S

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3534300.5	0.8886	mg/L	0.00160				0.18%
Ag 328.068†	9784.5	0.0490	mg/L	0.00078				1.58%
Al 308.215†	48238.1	1.994	mg/L	0.0009				0.05%
As 188.979†	123.7	0.0411	mg/L	0.00259				6.31%
B 249.772†	93461.9	0.9759	mg/L	0.02299				2.36%
Ba 233.527†	259389.9	1.978	mg/L	0.0071				0.36%
Be 313.107†	117107.6	0.0486	mg/L	0.00001				0.03%
Cd 226.502†	6522.6	0.0490	mg/L	0.00004				0.09%
Co 228.616†	24965.9	0.5009	mg/L	0.00177				0.35%
Cr 267.716†	16422.2	0.2026	mg/L	0.00032				0.16%
Cu 324.752†	54844.3	0.2691	mg/L	0.00074				0.27%
K 766.490†	22762.4	19.44	mg/L	0.018				0.09%
Mg 279.077†	102597.2	6.502	mg/L	0.0216				0.33%
Mn 257.610†	390605.4	0.5622	mg/L	0.00209				0.37%
Mo 202.031†	12828.6	0.5001	mg/L	0.00154				0.31%
Ni 231.604†	30964.2	0.5132	mg/L	0.00158				0.31%
Na 589.592†	49837.9	24.11	mg/L	0.000				0.00%
Pb 220.353†	7494.4	0.5185	mg/L	0.00131				0.25%
Sb 206.836†	1798.9	0.4990	mg/L	0.00386				0.77%
Se 196.026†	21.8	0.0161	mg/L	0.00104				6.49%
Sn 189.927†	-419.4	-0.0319	mg/L	0.00071				2.21%
Ti 337.279†	188708.7	0.4696	mg/L	0.00158				0.34%
Tl 190.801†	6082.3	2.011	mg/L	0.0044				0.22%
V 292.402†	54973.2	0.5026	mg/L	0.00098				0.20%
Zn 206.200†	50887.6	0.5209	mg/L	0.00234				0.45%
Ca 227.546†	8082.2	38.45	mg/L	0.158				0.41%
Sr 421.552†	5232.7	0.0683	mg/L	0.00041				0.60%
Fe 259.939†	140654.5	1.213	mg/L	0.0149				1.23%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 59
Sample ID: R1403252-012L
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 70
Date Collected: 5/21/2014 8:07:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-012L

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3853777.3	0.9689	mg/L	0.00007				0.01%
Ag 328.068†	-52.8	-0.0003	mg/L	0.00027				101.72%
Al 308.215†	188.0	0.0071	mg/L	0.00225				31.55%
As 188.979†	-3.2	-0.0011	mg/L	0.00062				56.03%
B 249.772†	2406.1	0.0250	mg/L	0.00243				9.71%
Ba 233.527†	290.1	0.0022	mg/L	0.00003				1.46%
Be 313.107†	-163.8	-0.0001	mg/L	0.00001				10.28%
Cd 226.502†	-42.3	-0.0003	mg/L	0.00006				19.31%
Co 228.616†	-14.8	-0.0003	mg/L	0.00019				62.51%
Cr 267.716†	-9.3	-0.0001	mg/L	0.00046				403.68%
Cu 324.752†	-112.4	-0.0006	mg/L	0.00059				104.91%
K 766.490†	259.6	0.2217	mg/L	0.05356				24.15%
Mg 279.077†	5582.7	0.3538	mg/L	0.00339				0.96%

Mn 257.610†	3611.8	0.0052 mg/L	0.00001		0.26%
Mo 202.031†	-2.4	-0.0001 mg/L	0.00022		242.39%
Ni 231.604†	-1.2	0.0000 mg/L	0.00033		>999.9%
Na 589.592†	1097.3	0.5304 mg/L	0.00821		1.55%
Pb 220.353†	-5.3	-0.0003 mg/L	0.00083		264.04%
Sb 206.836†	1.4	0.0004 mg/L	0.00121		314.54%
Se 196.026†	2.7	0.0019 mg/L	0.00392		201.45%
Sn 189.927†	-133.9	-0.0107 mg/L	0.00008		0.76%
Ti 337.279†	103.6	0.0003 mg/L	0.00008		32.90%
Tl 190.801†	1.0	0.0003 mg/L	0.00108		315.07%
V 292.402†	25.5	0.0002 mg/L	0.00028		120.73%
Zn 206.200†	239.5	0.0025 mg/L	0.00006		2.62%
Ca 227.546†	646.2	3.075 mg/L	0.0317		1.03%
Sr 421.552†	393.6	0.0051 mg/L	0.00003		0.59%
Fe 259.939†	1464.1	0.0126 mg/L	0.00044		3.48%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 60
Sample ID: R1403252-014
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 71
Date Collected: 5/21/2014 8:13:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-014

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3452860.4	0.8681	mg/L	0.00503				0.58%
Ag 328.068†	-62.9	-0.0003	mg/L	0.00092				294.60%
Al 308.215†	1242.9	0.0276	mg/L	0.00057				2.06%
As 188.979†	-7.5	-0.0026	mg/L	0.00398				152.99%
B 249.772†	4729.2	0.0381	mg/L	0.00140				3.66%
Ba 233.527†	9457.3	0.0721	mg/L	0.00034				0.47%
Be 313.107†	-938.9	-0.0004	mg/L	0.00003				7.27%
Cd 226.502†	6.5	0.0000	mg/L	0.00011				251.04%
Co 228.616†	-33.2	-0.0007	mg/L	0.00024				35.45%
Cr 267.716†	61.0	0.0009	mg/L	0.00006				6.30%
Cu 324.752†	1059.9	0.0048	mg/L	0.00002				0.45%
K 766.490†	3474.9	2.967	mg/L	0.0581				1.96%
Mg 279.077†	247529.4	15.69	mg/L	0.009				0.06%
Mn 257.610†	33476.2	0.0482	mg/L	0.00008				0.16%
Mo 202.031†	-0.6	0.0000	mg/L	0.00024				>999.9%
Ni 231.604†	-3.9	-0.0001	mg/L	0.00010				151.31%
Na 589.592†	48807.5	23.59	mg/L	0.169				0.72%
Pb 220.353†	-21.6	0.0002	mg/L	0.00018				107.95%
Sb 206.836†	-8.9	-0.0025	mg/L	0.00123				49.73%
Se 196.026†	10.1	0.0056	mg/L	0.00016				2.75%
Sn 189.927†	-542.3	-0.0299	mg/L	0.00005				0.16%
Ti 337.279†	7.5	0.0000	mg/L	0.00006				337.36%
Tl 190.801†	-2.4	-0.0006	mg/L	0.00206				373.82%
V 292.402†	151.0	0.0014	mg/L	0.00022				16.18%
Zn 206.200†	1479.1	0.0151	mg/L	0.00011				0.73%
Ca 227.546†	21428.3	102.0	mg/L	0.65				0.64%
Sr 421.552†	12919.1	0.1687	mg/L	0.00044				0.26%
Fe 259.939†	7560.6	0.0649	mg/L	0.00031				0.47%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 61
Sample ID: R1403252-016
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 72
Date Collected: 5/21/2014 8:19:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-016

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3447052.3	0.8666	mg/L	0.00237				0.27%
Ag 328.068†	95.8	0.0005	mg/L	0.00050				103.40%
Al 308.215†	2027.1	0.0722	mg/L	0.00519				7.19%

As 188.979†	-3.5	-0.0012 mg/L	0.00070	57.04%
B 249.772†	3610.2	0.0320 mg/L	0.00018	0.55%
Ba 233.527†	4098.1	0.0312 mg/L	0.00005	0.17%
Be 313.107†	-933.2	-0.0004 mg/L	0.00001	2.61%
Cd 226.502†	-11.0	-0.0001 mg/L	0.00003	30.91%
Co 228.616†	-38.7	-0.0008 mg/L	0.00005	6.98%
Cr 267.716†	74.7	0.0011 mg/L	0.00007	6.19%
Cu 324.752†	1074.4	0.0050 mg/L	0.00019	3.79%
K 766.490†	4235.0	3.617 mg/L	0.0006	0.02%
Mg 279.077†	174245.4	11.04 mg/L	0.060	0.54%
Mn 257.610†	15731.1	0.0226 mg/L	0.00007	0.31%
Mo 202.031†	-5.3	-0.0002 mg/L	0.00010	46.24%
Ni 231.604†	-10.2	-0.0002 mg/L	0.00005	32.41%
Na 589.592†	161807.0	78.17 mg/L	0.310	0.40%
Pb 220.353†	-9.6	0.0002 mg/L	0.00118	663.23%
Sb 206.836†	-12.1	-0.0033 mg/L	0.00321	96.15%
Se 196.026†	6.5	0.0039 mg/L	0.00398	101.60%
Sn 189.927†	-483.7	-0.0327 mg/L	0.00005	0.16%
Ti 337.279†	16.4	0.0000 mg/L	0.00028	685.67%
Tl 190.801†	-3.3	-0.0009 mg/L	0.00059	64.00%
V 292.402†	142.8	0.0013 mg/L	0.00099	75.46%
Zn 206.200†	498.3	0.0051 mg/L	0.00023	4.52%
Ca 227.546†	10539.0	50.14 mg/L	0.093	0.18%
Sr 421.552†	10570.9	0.1381 mg/L	0.00115	0.83%
Fe 259.939†	9097.3	0.0782 mg/L	0.00078	1.00%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 62
Sample ID: R1403252-018
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 73
Date Collected: 5/21/2014 8:25:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-018

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3529673.2	0.8874	mg/L	0.00728				0.82%
Ag 328.068†	41.1	0.0002	mg/L	0.00098				454.32%
Al 308.215†	1481.6	0.0541	mg/L	0.00246				4.55%
As 188.979†	0.9	0.0003	mg/L	0.00138				424.32%
B 249.772†	2966.0	0.0267	mg/L	0.00095				3.58%
Ba 233.527†	4696.1	0.0358	mg/L	0.00043				1.19%
Be 313.107†	-823.7	-0.0003	mg/L	0.00001				3.82%
Cd 226.502†	11.7	0.0001	mg/L	0.00000				0.12%
Co 228.616†	-34.1	-0.0007	mg/L	0.00010				15.27%
Cr 267.716†	53.0	0.0007	mg/L	0.00029				38.86%
Cu 324.752†	598.6	0.0028	mg/L	0.00042				15.08%
K 766.490†	2917.8	2.492	mg/L	0.0363				1.46%
Mg 279.077†	105277.9	6.672	mg/L	0.0035				0.05%
Mn 257.610†	46556.5	0.0670	mg/L	0.00018				0.26%
Mo 202.031†	-3.1	-0.0001	mg/L	0.00057				480.41%
Ni 231.604†	-10.2	-0.0002	mg/L	0.00006				36.72%
Na 589.592†	64811.3	31.31	mg/L	0.181				0.58%
Pb 220.353†	-18.1	-0.0007	mg/L	0.00004				5.45%
Sb 206.836†	-16.7	-0.0046	mg/L	0.00200				43.19%
Se 196.026†	6.3	0.0042	mg/L	0.00007				1.73%
Sn 189.927†	-451.5	-0.0328	mg/L	0.00006				0.18%
Ti 337.279†	170.5	0.0004	mg/L	0.00008				18.43%
Tl 190.801†	-1.7	-0.0005	mg/L	0.00063				138.19%
V 292.402†	126.2	0.0012	mg/L	0.00021				17.71%
Zn 206.200†	922.6	0.0094	mg/L	0.00003				0.27%
Ca 227.546†	6618.6	31.49	mg/L	0.171				0.54%
Sr 421.552†	6243.7	0.0815	mg/L	0.00050				0.62%
Fe 259.939†	22845.0	0.1968	mg/L	0.00057				0.29%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 63
Sample ID: R1403252-020
Analyst:

Autosampler Location: 74
Date Collected: 5/21/2014 8:31:54 PM
Data Type: Original

Initial Sample Wt: 50 g
Dilution:

Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-020

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3429931.4	0.8623	mg/L	0.00077				0.09%
Ag 328.068†	63.2	0.0003	mg/L	0.00008				25.31%
Al 308.215†	1330.2	0.0435	mg/L	0.00486				11.17%
As 188.979†	-2.6	-0.0009	mg/L	0.00211				237.94%
B 249.772†	3194.5	0.0272	mg/L	0.00045				1.64%
Ba 233.527†	4858.0	0.0370	mg/L	0.00006				0.17%
Be 313.107†	-1142.7	-0.0005	mg/L	0.00003				7.10%
Cd 226.502†	6.0	0.0000	mg/L	0.00014				495.96%
Co 228.616†	-47.5	-0.0010	mg/L	0.00006				6.45%
Cr 267.716†	75.7	0.0011	mg/L	0.00018				16.72%
Cu 324.752†	941.3	0.0044	mg/L	0.00022				5.10%
K 766.490†	3342.8	2.855	mg/L	0.0499				1.75%
Mg 279.077†	163103.2	10.34	mg/L	0.026				0.25%
Mn 257.610†	38835.1	0.0559	mg/L	0.00018				0.33%
Mo 202.031†	4.0	0.0002	mg/L	0.00011				69.42%
Ni 231.604†	-22.0	-0.0004	mg/L	0.00001				3.83%
Na 589.592†	160163.6	77.37	mg/L	0.103				0.13%
Pb 220.353†	-11.0	0.0001	mg/L	0.00030				563.37%
Sb 206.836†	-6.5	-0.0018	mg/L	0.00029				15.99%
Se 196.026†	11.0	0.0074	mg/L	0.00131				17.63%
Sn 189.927†	-489.1	-0.0334	mg/L	0.00010				0.30%
Ti 337.279†	-8.8	0.0000	mg/L	0.00021				942.27%
Tl 190.801†	-2.2	-0.0006	mg/L	0.00199				346.83%
V 292.402†	120.1	0.0011	mg/L	0.00049				44.32%
Zn 206.200†	449.9	0.0046	mg/L	0.00010				2.26%
Ca 227.546†	10253.1	48.78	mg/L	0.144				0.30%
Sr 421.552†	11010.0	0.1438	mg/L	0.00027				0.19%
Fe 259.939†	21490.5	0.1851	mg/L	0.00043				0.23%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 64
Sample ID: R1403252-022
Analyst:
Initial Sample Wt: 50 g
Dilution:

Autosampler Location: 75
Date Collected: 5/21/2014 8:38:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 20 mL

Mean Data: R1403252-022

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3495542.1	0.8788	mg/L	0.00391				0.45%
Ag 328.068†	-4.7	0.0000	mg/L	0.00015				848.15%
Al 308.215†	1225.8	0.0358	mg/L	0.00026				0.72%
As 188.979†	-3.3	-0.0011	mg/L	0.00016				14.01%
B 249.772†	2306.3	0.0167	mg/L	0.00001				0.07%
Ba 233.527†	10122.4	0.0772	mg/L	0.00038				0.50%
Be 313.107†	-732.5	-0.0003	mg/L	0.00004				14.45%
Cd 226.502†	-2.9	0.0000	mg/L	0.00008				259.40%
Co 228.616†	-44.4	-0.0009	mg/L	0.00002				2.49%
Cr 267.716†	31.4	0.0005	mg/L	0.00052				95.54%
Cu 324.752†	695.9	0.0031	mg/L	0.00021				6.96%
K 766.490†	2714.1	2.318	mg/L	0.0332				1.43%
Mg 279.077†	205274.8	13.01	mg/L	0.017				0.13%
Mn 257.610†	26505.5	0.0381	mg/L	0.00017				0.46%
Mo 202.031†	-5.2	-0.0002	mg/L	0.00010				46.63%
Ni 231.604†	-20.7	-0.0003	mg/L	0.00013				39.33%
Na 589.592†	45869.7	22.17	mg/L	0.134				0.60%
Pb 220.353†	-24.4	-0.0006	mg/L	0.00105				163.32%
Sb 206.836†	-12.9	-0.0036	mg/L	0.00085				23.85%
Se 196.026†	10.3	0.0065	mg/L	0.00416				63.56%
Sn 189.927†	-522.1	-0.0341	mg/L	0.00093				2.74%
Ti 337.279†	-13.9	0.0000	mg/L	0.00011				309.11%
Tl 190.801†	1.9	0.0008	mg/L	0.00154				187.95%
V 292.402†	132.7	0.0012	mg/L	0.00060				49.30%

Zn 206.200†	1361.6	0.0139 mg/L	0.00014	1.03%
Ca 227.546†	13118.0	62.41 mg/L	0.516	0.83%
Sr 421.552†	7773.0	0.1015 mg/L	0.00060	0.59%
Fe 259.939†	12999.0	0.1118 mg/L	0.00006	0.06%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 65
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/21/2014 8:44:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3444626.3	0.8660	mg/L	0.00394				0.45%
Ag 328.068†	100887.7	0.5052	mg/L	0.00015	0.5052	mg/L	0.00015	0.03%
QC value within limits for Ag 328.068 Recovery = 101.03%								
Al 308.215†	249757.8	10.36	mg/L	0.004	10.36	mg/L	0.004	0.04%
QC value within limits for Al 308.215 Recovery = 103.65%								
As 188.979†	3006.4	1.033	mg/L	0.0014	1.033	mg/L	0.0014	0.13%
QC value within limits for As 188.979 Recovery = 103.31%								
B 249.772†	229225.9	2.389	mg/L	0.0590	2.389	mg/L	0.0590	2.47%
QC value within limits for B 249.772 Recovery = 95.55%								
Ba 233.527†	1361897.4	10.38	mg/L	0.014	10.38	mg/L	0.014	0.13%
QC value within limits for Ba 233.527 Recovery = 103.85%								
Be 313.107†	601223.2	0.2493	mg/L	0.00122	0.2493	mg/L	0.00122	0.49%
QC value within limits for Be 313.107 Recovery = 99.73%								
Cd 226.502†	68148.7	0.5129	mg/L	0.00038	0.5129	mg/L	0.00038	0.07%
QC value within limits for Cd 226.502 Recovery = 102.58%								
Co 228.616†	126256.2	2.533	mg/L	0.0064	2.533	mg/L	0.0064	0.25%
QC value within limits for Co 228.616 Recovery = 101.33%								
Cr 267.716†	41235.5	0.5094	mg/L	0.00042	0.5094	mg/L	0.00042	0.08%
QC value within limits for Cr 267.716 Recovery = 101.87%								
Cu 324.752†	260923.9	1.280	mg/L	0.0027	1.280	mg/L	0.0027	0.21%
QC value within limits for Cu 324.752 Recovery = 102.43%								
K 766.490†	28479.2	24.32	mg/L	0.079	24.32	mg/L	0.079	0.33%
QC value within limits for K 766.490 Recovery = 97.28%								
Mg 279.077†	398776.7	25.27	mg/L	0.053	25.27	mg/L	0.053	0.21%
QC value within limits for Mg 279.077 Recovery = 101.09%								
Mn 257.610†	519538.9	0.7477	mg/L	0.00140	0.7477	mg/L	0.00140	0.19%
QC value within limits for Mn 257.610 Recovery = 99.70%								
Mo 202.031†	63123.7	2.461	mg/L	0.0056	2.461	mg/L	0.0056	0.23%
QC value within limits for Mo 202.031 Recovery = 98.43%								
Ni 231.604†	121529.4	2.014	mg/L	0.0028	2.014	mg/L	0.0028	0.14%
QC value within limits for Ni 231.604 Recovery = 100.70%								
Na 589.592†	49092.2	23.90	mg/L	0.043	23.90	mg/L	0.043	0.18%
QC value within limits for Na 589.592 Recovery = 95.59%								
Pb 220.353†	7552.3	0.5268	mg/L	0.00139	0.5268	mg/L	0.00139	0.26%
QC value within limits for Pb 220.353 Recovery = 105.36%								
Sb 206.836†	18504.1	5.126	mg/L	0.0203	5.126	mg/L	0.0203	0.40%
QC value within limits for Sb 206.836 Recovery = 102.51%								
Se 196.026†	705.6	0.5326	mg/L	0.00729	0.5326	mg/L	0.00729	1.37%
QC value within limits for Se 196.026 Recovery = 106.52%								
Sn 189.927†	61029.9	5.055	mg/L	0.0043	5.055	mg/L	0.0043	0.09%
QC value within limits for Sn 189.927 Recovery = 101.11%								
Ti 337.279†	976660.5	2.430	mg/L	0.0002	2.430	mg/L	0.0002	0.01%
QC value within limits for Ti 337.279 Recovery = 97.22%								
Tl 190.801†	3202.7	1.060	mg/L	0.0055	1.060	mg/L	0.0055	0.52%
QC value within limits for Tl 190.801 Recovery = 106.04%								
V 292.402†	277624.3	2.538	mg/L	0.0121	2.538	mg/L	0.0121	0.48%
QC value within limits for V 292.402 Recovery = 101.53%								
Zn 206.200†	99037.5	1.014	mg/L	0.0022	1.014	mg/L	0.0022	0.21%
QC value within limits for Zn 206.200 Recovery = 101.38%								
Ca 227.546†	5556.2	26.43	mg/L	0.201	26.43	mg/L	0.201	0.76%
QC value within limits for Ca 227.546 Recovery = 105.74%								
Sr 421.552†	181241.2	2.367	mg/L	0.0059	2.367	mg/L	0.0059	0.25%
QC value within limits for Sr 421.552 Recovery = 94.68%								
Fe 259.939†	579266.0	4.995	mg/L	0.0484	4.995	mg/L	0.0484	0.97%
QC value within limits for Fe 259.939 Recovery = 99.90%								

All analyte(s) passed QC.

Sequence No.: 66
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/21/2014 8:50:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3831635.6	0.9633	mg/L	0.00331				0.34%
Ag 328.068†	72.9	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	36.06%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	219.8	0.0092	mg/L	0.00602	0.0092	mg/L	0.00602	65.59%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.8	0.0013	mg/L	0.00056	0.0013	mg/L	0.00056	42.44%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	4689.2	0.0496	mg/L	0.00850	0.0496	mg/L	0.00850	17.14%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	337.0	0.0026	mg/L	0.00077	0.0026	mg/L	0.00077	29.99%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-20.4	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	783.73%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	-16.4	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015	124.65%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	6.6	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	2.70%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-4.8	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	271.23%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	17.1	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	198.92%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	237.2	0.2026	mg/L	0.02789	0.2026	mg/L	0.02789	13.77%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	20.9	0.0013	mg/L	0.00064	0.0013	mg/L	0.00064	48.44%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	432.2	0.0006	mg/L	0.00014	0.0006	mg/L	0.00014	22.05%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	10.0	0.0004	mg/L	0.00017	0.0004	mg/L	0.00017	43.08%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	11.1	0.0002	mg/L	0.00035	0.0002	mg/L	0.00035	193.49%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	319.2	0.1542	mg/L	0.00680	0.1542	mg/L	0.00680	4.41%
QC value within limits for Na 589.592 Recovery = Not calculated								
Pb 220.353†	3.1	0.0002	mg/L	0.00054	0.0002	mg/L	0.00054	252.03%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-3.0	-0.0008	mg/L	0.00089	-0.0008	mg/L	0.00089	107.32%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	6.2	0.0047	mg/L	0.00077	0.0047	mg/L	0.00077	16.41%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	199.0	0.0165	mg/L	0.00233	0.0165	mg/L	0.00233	14.12%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	136.7	0.0003	mg/L	0.00022	0.0003	mg/L	0.00022	64.41%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	-4.0	-0.0013	mg/L	0.00252	-0.0013	mg/L	0.00252	191.36%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	44.6	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	31.33%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-25.5	-0.0003	mg/L	0.00002	-0.0003	mg/L	0.00002	5.86%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ca 227.546†	-19.3	-0.0920	mg/L	0.00381	-0.0920	mg/L	0.00381	4.14%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Sr 421.552†	85.2	0.0011	mg/L	0.00003	0.0011	mg/L	0.00003	2.51%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Fe 259.939†	-145.8	-0.0013	mg/L	0.00026	-0.0013	mg/L	0.00026	20.44%
QC value within limits for Fe 259.939 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 67
Autosampler Location: 6

Sample ID: MRL
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 5/21/2014 8:56:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MRL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3742320.3	0.9409	mg/L	0.00378				0.40%
Ag 328.068†	2016.0	0.0101	mg/L	0.00032	0.0101	mg/L	0.00032	3.15%
QC value within limits for Ag 328.068 Recovery = 100.94%								
Al 308.215†	5611.1	0.2332	mg/L	0.00342	0.2332	mg/L	0.00342	1.47%
QC value within limits for Al 308.215 Recovery = 116.61%								
As 188.979†	51.0	0.0176	mg/L	0.00142	0.0176	mg/L	0.00142	8.08%
QC value within limits for As 188.979 Recovery = 87.92%								
B 249.772†	17826.1	0.1876	mg/L	0.00225	0.1876	mg/L	0.00225	1.20%
QC value within limits for B 249.772 Recovery = 93.82%								
Ba 233.527†	26852.4	0.2048	mg/L	0.00004	0.2048	mg/L	0.00004	0.02%
QC value within limits for Ba 233.527 Recovery = 102.38%								
Be 313.107†	10768.2	0.0045	mg/L	0.00003	0.0045	mg/L	0.00003	0.71%
QC value within limits for Be 313.107 Recovery = 89.31%								
Cd 226.502†	1282.4	0.0097	mg/L	0.00007	0.0097	mg/L	0.00007	0.73%
QC value within limits for Cd 226.502 Recovery = 96.51%								
Co 228.616†	2475.9	0.0497	mg/L	0.00010	0.0497	mg/L	0.00010	0.20%
QC value within limits for Co 228.616 Recovery = 99.35%								
Cr 267.716†	785.0	0.0097	mg/L	0.00001	0.0097	mg/L	0.00001	0.06%
QC value within limits for Cr 267.716 Recovery = 97.05%								
Cu 324.752†	5105.2	0.0251	mg/L	0.00054	0.0251	mg/L	0.00054	2.16%
QC value within limits for Cu 324.752 Recovery = 100.22%								
K 766.490†	1267.7	1.083	mg/L	0.0976	1.083	mg/L	0.0976	9.02%
QC value within limits for K 766.490 Recovery = 108.25%								
Mg 279.077†	16306.8	1.033	mg/L	0.0010	1.033	mg/L	0.0010	0.10%
QC value within limits for Mg 279.077 Recovery = 103.35%								
Mn 257.610†	10827.2	0.0156	mg/L	0.00005	0.0156	mg/L	0.00005	0.33%
QC value within limits for Mn 257.610 Recovery = 103.89%								
Mo 202.031†	650.8	0.0254	mg/L	0.00003	0.0254	mg/L	0.00003	0.14%
QC value within limits for Mo 202.031 Recovery = 101.49%								
Ni 231.604†	2441.5	0.0405	mg/L	0.00005	0.0405	mg/L	0.00005	0.12%
QC value within limits for Ni 231.604 Recovery = 101.15%								
Na 589.592†	1770.5	0.8581	mg/L	0.01998	0.8581	mg/L	0.01998	2.33%
QC value within limits for Na 589.592 Recovery = 85.81%								
Pb 220.353†	152.4	0.0106	mg/L	0.00146	0.0106	mg/L	0.00146	13.78%
QC value within limits for Pb 220.353 Recovery = 106.06%								
Sb 206.836†	205.7	0.0570	mg/L	0.00419	0.0570	mg/L	0.00419	7.36%
QC value within limits for Sb 206.836 Recovery = 94.94%								
Se 196.026†	16.8	0.0127	mg/L	0.00061	0.0127	mg/L	0.00061	4.85%
QC value greater than the upper limit for Se 196.026 Recovery = 126.81%								
Sn 189.927†	6515.7	0.5408	mg/L	0.00057	0.5408	mg/L	0.00057	0.11%
QC value within limits for Sn 189.927 Recovery = 108.15%								
Ti 337.279†	18720.0	0.0466	mg/L	0.00036	0.0466	mg/L	0.00036	0.76%
QC value within limits for Ti 337.279 Recovery = 93.17%								
Tl 190.801†	63.9	0.0212	mg/L	0.00127	0.0212	mg/L	0.00127	5.98%
QC value within limits for Tl 190.801 Recovery = 105.81%								
V 292.402†	5179.8	0.0474	mg/L	0.00071	0.0474	mg/L	0.00071	1.50%
QC value within limits for V 292.402 Recovery = 94.71%								
Zn 206.200†	1821.6	0.0186	mg/L	0.00004	0.0186	mg/L	0.00004	0.19%
QC value within limits for Zn 206.200 Recovery = 93.24%								
Ca 227.546†	234.2	1.114	mg/L	0.0674	1.114	mg/L	0.0674	6.05%
QC value within limits for Ca 227.546 Recovery = 111.43%								
Sr 421.552†	7389.1	0.0965	mg/L	0.00153	0.0965	mg/L	0.00153	1.58%
QC value within limits for Sr 421.552 Recovery = 96.50%								
Fe 259.939†	11195.8	0.0965	mg/L	0.00098	0.0965	mg/L	0.00098	1.02%
QC value within limits for Fe 259.939 Recovery = 96.51%								

QC Failed. Continue with analysis.

Sequence No.: 68
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/21/2014 9:02:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3079837.6	0.7743	mg/L	0.00237				0.31%
Ag 328.068†	-698.2	0.0013	mg/L	0.00097	0.0013	mg/L	0.00097	75.08%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	5850470.9	243.8	mg/L	0.09	243.8	mg/L	0.09	0.04%
QC value within limits for Al 308.215 Recovery = 97.50%								
As 188.979†	75.9	-0.0071	mg/L	0.00004	-0.0071	mg/L	0.00004	0.53%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	59388.2	0.0211	mg/L	0.00854	0.0211	mg/L	0.00854	40.45%
Ba 233.527†	985.1	0.0075	mg/L	0.00005	0.0075	mg/L	0.00005	0.61%
Be 313.107†	-2189.8	-0.0009	mg/L	0.00008	-0.0009	mg/L	0.00008	8.94%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	995.3	-0.0002	mg/L	0.00011	-0.0002	mg/L	0.00011	50.63%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-131.0	-0.0004	mg/L	0.00028	-0.0004	mg/L	0.00028	63.85%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-1018.9	-0.0016	mg/L	0.00030	-0.0016	mg/L	0.00030	19.09%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	1056.2	0.0075	mg/L	0.00019	0.0075	mg/L	0.00019	2.50%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	585.5	0.5000	mg/L	0.04064	0.5000	mg/L	0.04064	8.13%
Mg 279.077†	3946366.0	250.1	mg/L	1.19	250.1	mg/L	1.19	0.48%
QC value within limits for Mg 279.077 Recovery = 100.04%								
Mn 257.610†	-1515.7	-0.0022	mg/L	0.00013	-0.0022	mg/L	0.00013	6.08%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	258928.5	10.09	mg/L	0.162	10.09	mg/L	0.162	1.61%
QC value within limits for Mo 202.031 Recovery = 100.94%								
Ni 231.604†	-183.0	-0.0030	mg/L	0.00001	-0.0030	mg/L	0.00001	0.36%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	385.3	1.455	mg/L	0.0184	1.455	mg/L	0.0184	1.27%
Pb 220.353†	-711.6	0.0047	mg/L	0.00020	0.0047	mg/L	0.00020	4.21%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-96.2	0.0009	mg/L	0.00503	0.0009	mg/L	0.00503	534.66%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-28.8	0.0038	mg/L	0.00401	0.0038	mg/L	0.00401	105.34%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-532.1	-0.0619	mg/L	0.00133	-0.0619	mg/L	0.00133	2.15%
Ti 337.279†	-1296.6	-0.0032	mg/L	0.00017	-0.0032	mg/L	0.00017	5.18%
Tl 190.801†	-27.1	0.0004	mg/L	0.00111	0.0004	mg/L	0.00111	287.90%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-446.2	0.0021	mg/L	0.00008	0.0021	mg/L	0.00008	3.97%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	687.5	0.0070	mg/L	0.00001	0.0070	mg/L	0.00001	0.15%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ca 227.546†	53503.4	254.6	mg/L	2.40	254.6	mg/L	2.40	0.94%
QC value within limits for Ca 227.546 Recovery = 101.82%								
Sr 421.552†	308.9	0.0040	mg/L	0.00015	0.0040	mg/L	0.00015	3.80%
Fe 259.939†	10816813.2	93.24	mg/L	0.928	93.24	mg/L	0.928	0.99%
QC value within limits for Fe 259.939 Recovery = 93.24%								

All analyte(s) passed QC.

Sequence No.: 69
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Volume 1: ICSAB repeat
CSW 5/21/14

Autosampler Location: 8
Date Collected: 5/21/2014 9:09:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3081908.5	0.7748	mg/L	0.00530				0.68%
Ag 328.068†	43271.2	0.2169	mg/L	0.00069	0.2169	mg/L	0.00069	0.32%
QC value within limits for Ag 328.068 Recovery = 108.43%								
Al 308.215†	5859816.4	244.1	mg/L	0.54	244.1	mg/L	0.54	0.22%
QC value within limits for Al 308.215 Recovery = 97.66%								
As 188.979†	373.3	0.0859	mg/L	0.00141	0.0859	mg/L	0.00141	1.64%

QC value within limits for As 188.979 Recovery = 85.92%

B 249.772†	57848.5	0.4990 mg/L	0.04235	0.4990 mg/L	0.04235	8.49%
Ba 233.527†	73130.0	0.5576 mg/L	0.00396	0.5576 mg/L	0.00396	0.71%

QC value within limits for Ba 233.527 Recovery = 111.53%

Be 313.107†	1244069.6	0.5159 mg/L	0.00335	0.5159 mg/L	0.00335	0.65%

QC value within limits for Be 313.107 Recovery = 103.18%

Cd 226.502†	138540.2	1.044 mg/L	0.0041	1.044 mg/L	0.0041	0.39%

QC value within limits for Cd 226.502 Recovery = 104.38%

Co 228.616†	23605.8	0.4758 mg/L	0.00325	0.4758 mg/L	0.00325	0.68%

QC value within limits for Co 228.616 Recovery = 95.15%

Cr 267.716†	41686.8	0.5202 mg/L	0.00157	0.5202 mg/L	0.00157	0.30%

QC value within limits for Cr 267.716 Recovery = 104.05%

Cu 324.752†	106350.3	0.5084 mg/L	0.00062	0.5084 mg/L	0.00062	0.12%

QC value within limits for Cu 324.752 Recovery = 101.67%

K 766.490†	680.9	0.5815 mg/L	0.10620	0.5815 mg/L	0.10620	18.26%
Mg 279.077†	3956888.0	250.8 mg/L	0.13	250.8 mg/L	0.13	0.05%

QC value within limits for Mg 279.077 Recovery = 100.31%

Mn 257.610†	361484.0	0.5203 mg/L	0.00392	0.5203 mg/L	0.00392	0.75%

QC value within limits for Mn 257.610 Recovery = 104.05%

Mo 202.031†	262029.2	10.22 mg/L	0.039	10.22 mg/L	0.039	0.38%

QC value within limits for Mo 202.031 Recovery = 102.15%

Ni 231.604†	59182.8	0.9808 mg/L	0.00304	0.9808 mg/L	0.00304	0.31%

QC value within limits for Ni 231.604 Recovery = 98.08%

Na 589.592†	334.4	1.005 mg/L	0.0639	1.005 mg/L	0.0639	6.36%
Pb 220.353†	36.9	0.0565 mg/L	0.00068	0.0565 mg/L	0.00068	1.20%

QC value within limits for Pb 220.353 Recovery = 113.09%

Sb 206.836†	2238.0	0.6470 mg/L	0.00163	0.6470 mg/L	0.00163	0.25%

QC value within limits for Sb 206.836 Recovery = 107.83%

Se 196.026†	39.5	0.0216 mg/L	0.00297	0.0216 mg/L	0.00297	13.74%

QC value less than the lower limit for Se 196.026 Recovery = 43.30%

Sn 189.927†	-559.4	-0.0648 mg/L	0.00053	-0.0648 mg/L	0.00053	0.82%
Ti 337.279†	-1396.8	-0.0035 mg/L	0.00014	-0.0035 mg/L	0.00014	4.13%
Tl 190.801†	311.1	0.1087 mg/L	0.00051	0.1087 mg/L	0.00051	0.47%

QC value within limits for Tl 190.801 Recovery = 108.65%

V 292.402†	55201.5	0.5069 mg/L	0.00005	0.5069 mg/L	0.00005	0.01%

QC value within limits for V 292.402 Recovery = 101.37%

Zn 206.200†	101558.6	1.040 mg/L	0.0067	1.040 mg/L	0.0067	0.64%

QC value within limits for Zn 206.200 Recovery = 103.96%

Ca 227.546†	53536.2	254.7 mg/L	2.94	254.7 mg/L	2.94	1.16%

QC value within limits for Ca 227.546 Recovery = 101.88%

Sr 421.552†	304.8	0.0040 mg/L	0.00040	0.0040 mg/L	0.00040	9.95%
Fe 259.939†	671787.7	5.797 mg/L	7.2725	5.797 mg/L	7.2725	125.45%

QC value less than the lower limit for Fe 259.939 Recovery = 5.80%

QC Failed. Continue with analysis.
User canceled analysis.

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Analysis Begun

Start Time: 5/21/2014 9:16:08 PM **Plasma On Time: 5/14/2014 7:20:07 PM**
Logged In Analyst: alrce.metals04 **Technique: ICP Continuous**
Spectrometer Model: Optima 5300 DV, S/N 077N6052202Autosampler Model: AS-93plus

Sample Information File: C:\pe\Optima4\Sample Information\routine2.sif
Batch ID:
Results Data Set: 4May21a
Results Library: C:\pe\Optima4\Results\May14.mdb

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Sequence No.: 69 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 5/21/2014 9:16:09 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3060199.4	0.7694	mg/L	0.00181				0.24%
Ag 328.068†	42881.0	0.2194	mg/L	0.00159	0.2194	mg/L	0.00159	0.72%

QC value within limits for Ag 328.068 Recovery = 109.68%

Al 308.215†	5814944.5	242.3 mg/L	0.11	242.3 mg/L	0.11	0.05%
QC value within limits for Al 308.215 Recovery = 96.91%						
As 188.979†	365.1	0.0929 mg/L	0.00256	0.0929 mg/L	0.00256	2.76%
QC value within limits for As 188.979 Recovery = 92.89%						
B 249.772†	56755.8	-0.0035 mg/L	0.00458	-0.0035 mg/L	0.00458	130.59%
Ba 233.527†	72633.0	0.5538 mg/L	0.00433	0.5538 mg/L	0.00433	0.78%
QC value within limits for Ba 233.527 Recovery = 110.77%						
Be 313.107†	1232917.2	0.5113 mg/L	0.00333	0.5113 mg/L	0.00333	0.65%
QC value within limits for Be 313.107 Recovery = 102.26%						
Cd 226.502†	137179.6	1.026 mg/L	0.0081	1.026 mg/L	0.0081	0.79%
QC value within limits for Cd 226.502 Recovery = 102.56%						
Co 228.616†	23484.3	0.4733 mg/L	0.00015	0.4733 mg/L	0.00015	0.03%
QC value within limits for Co 228.616 Recovery = 94.66%						
Cr 267.716†	41314.6	0.5202 mg/L	0.00357	0.5202 mg/L	0.00357	0.69%
QC value within limits for Cr 267.716 Recovery = 104.05%						
Cu 324.752†	105611.4	0.5212 mg/L	0.00166	0.5212 mg/L	0.00166	0.32%
QC value within limits for Cu 324.752 Recovery = 104.24%						
K 766.490†	578.8	0.4943 mg/L	0.06954	0.4943 mg/L	0.06954	14.07%
Mg 279.077†	3929933.4	249.1 mg/L	0.23	249.1 mg/L	0.23	0.09%
QC value within limits for Mg 279.077 Recovery = 99.63%						
Mn 257.610†	359152.3	0.5169 mg/L	0.00335	0.5169 mg/L	0.00335	0.65%
QC value within limits for Mn 257.610 Recovery = 103.38%						
Mo 202.031†	260134.8	10.14 mg/L	0.075	10.14 mg/L	0.075	0.74%
QC value within limits for Mo 202.031 Recovery = 101.41%						
Ni 231.604†	58714.1	0.9731 mg/L	0.00777	0.9731 mg/L	0.00777	0.80%
QC value within limits for Ni 231.604 Recovery = 97.31%						
Na 589.592†	232.4	1.380 mg/L	0.0156	1.380 mg/L	0.0156	1.13%
Pb 220.353†	43.3	0.0566 mg/L	0.00127	0.0566 mg/L	0.00127	2.25%
QC value within limits for Pb 220.353 Recovery = 113.20%						
Sb 206.836†	2225.6	0.6434 mg/L	0.00458	0.6434 mg/L	0.00458	0.71%
QC value within limits for Sb 206.836 Recovery = 107.23%						
Se 196.026†	45.3	0.0594 mg/L	0.00218	0.0594 mg/L	0.00218	3.67%
QC value within limits for Se 196.026 Recovery = 118.88%						
Sn 189.927†	-585.7	-0.0667 mg/L	0.00004	-0.0667 mg/L	0.00004	0.06%
Ti 337.279†	-1367.1	-0.0034 mg/L	0.00020	-0.0034 mg/L	0.00020	5.86%
Tl 190.801†	294.7	0.1068 mg/L	0.00221	0.1068 mg/L	0.00221	2.07%
QC value within limits for Tl 190.801 Recovery = 106.76%						
V 292.402†	55023.8	0.5091 mg/L	0.00318	0.5091 mg/L	0.00318	0.62%
QC value within limits for V 292.402 Recovery = 101.82%						
Zn 206.200†	101002.6	1.034 mg/L	0.0081	1.034 mg/L	0.0081	0.79%
QC value within limits for Zn 206.200 Recovery = 103.39%						
Ca 227.546†	53395.2	254.0 mg/L	1.62	254.0 mg/L	1.62	0.64%
QC value within limits for Ca 227.546 Recovery = 101.62%						
Sr 421.552†	340.0	0.0044 mg/L	0.00033	0.0044 mg/L	0.00033	7.37%
Fe 259.939†	10758795.7	92.74 mg/L	0.122	92.74 mg/L	0.122	0.13%
QC value within limits for Fe 259.939 Recovery = 92.74%						

All analyte(s) passed QC.

Sequence No.: 70
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/21/2014 9:22:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3407352.4	0.8567	mg/L	0.00489				0.57%
Ag 328.068†	100655.6	0.5040	mg/L	0.00010	0.5040	mg/L	0.00010	0.02%
QC value within limits for Ag 328.068 Recovery = 100.80%								
Al 308.215†	251588.9	10.44	mg/L	0.061	10.44	mg/L	0.061	0.58%
QC value within limits for Al 308.215 Recovery = 104.41%								
As 188.979†	2984.7	1.026	mg/L	0.0041	1.026	mg/L	0.0041	0.40%
QC value within limits for As 188.979 Recovery = 102.55%								
B 249.772†	228624.2	2.383	mg/L	0.0730	2.383	mg/L	0.0730	3.06%
QC value within limits for B 249.772 Recovery = 95.30%								
Ba 233.527†	1361073.5	10.38	mg/L	0.004	10.38	mg/L	0.004	0.04%
QC value within limits for Ba 233.527 Recovery = 103.79%								
Be 313.107†	602368.0	0.2498	mg/L	0.00074	0.2498	mg/L	0.00074	0.30%
QC value within limits for Be 313.107 Recovery = 99.92%								

Cd 226.502†	68026.8	0.5120 mg/L	0.00107	0.5120 mg/L	0.00107	0.21%
QC value within limits for Cd 226.502 Recovery = 102.39%						
Co 228.616†	125602.7	2.520 mg/L	0.0012	2.520 mg/L	0.0012	0.05%
QC value within limits for Co 228.616 Recovery = 100.81%						
Cr 267.716†	41277.6	0.5099 mg/L	0.00045	0.5099 mg/L	0.00045	0.09%
QC value within limits for Cr 267.716 Recovery = 101.98%						
Cu 324.752†	260373.8	1.278 mg/L	0.0036	1.278 mg/L	0.0036	0.29%
QC value within limits for Cu 324.752 Recovery = 102.21%						
K 766.490†	28498.2	24.34 mg/L	0.343	24.34 mg/L	0.343	1.41%
QC value within limits for K 766.490 Recovery = 97.35%						
Mg 279.077†	398950.4	25.28 mg/L	0.043	25.28 mg/L	0.043	0.17%
QC value within limits for Mg 279.077 Recovery = 101.14%						
Mn 257.610†	518925.6	0.7469 mg/L	0.00076	0.7469 mg/L	0.00076	0.10%
QC value within limits for Mn 257.610 Recovery = 99.58%						
Mo 202.031†	63108.2	2.460 mg/L	0.0046	2.460 mg/L	0.0046	0.19%
QC value within limits for Mo 202.031 Recovery = 98.41%						
Ni 231.604†	121061.2	2.006 mg/L	0.0002	2.006 mg/L	0.0002	0.01%
QC value within limits for Ni 231.604 Recovery = 100.32%						
Na 589.592†	47966.3	23.35 mg/L	0.204	23.35 mg/L	0.204	0.87%
QC value within limits for Na 589.592 Recovery = 93.41%						
Pb 220.353†	7504.2	0.5235 mg/L	0.00390	0.5235 mg/L	0.00390	0.75%
QC value within limits for Pb 220.353 Recovery = 104.70%						
Sb 206.836†	18401.7	5.097 mg/L	0.0327	5.097 mg/L	0.0327	0.64%
QC value within limits for Sb 206.836 Recovery = 101.95%						
Se 196.026†	692.3	0.5226 mg/L	0.00732	0.5226 mg/L	0.00732	1.40%
QC value within limits for Se 196.026 Recovery = 104.52%						
Sn 189.927†	60470.4	5.009 mg/L	0.0231	5.009 mg/L	0.0231	0.46%
QC value within limits for Sn 189.927 Recovery = 100.18%						
Ti 337.279†	976368.8	2.430 mg/L	0.0026	2.430 mg/L	0.0026	0.11%
QC value within limits for Ti 337.279 Recovery = 97.19%						
Tl 190.801†	3187.2	1.055 mg/L	0.0087	1.055 mg/L	0.0087	0.82%
QC value within limits for Tl 190.801 Recovery = 105.53%						
V 292.402†	278361.6	2.545 mg/L	0.0085	2.545 mg/L	0.0085	0.33%
QC value within limits for V 292.402 Recovery = 101.80%						
Zn 206.200†	98723.5	1.011 mg/L	0.0023	1.011 mg/L	0.0023	0.23%
QC value within limits for Zn 206.200 Recovery = 101.06%						
Ca 227.546†	5583.7	26.57 mg/L	0.014	26.57 mg/L	0.014	0.05%
QC value within limits for Ca 227.546 Recovery = 106.26%						
Sr 421.552†	181375.3	2.369 mg/L	0.0233	2.369 mg/L	0.0233	0.98%
QC value within limits for Sr 421.552 Recovery = 94.75%						
Fe 259.939†	574460.1	4.953 mg/L	0.0296	4.953 mg/L	0.0296	0.60%
QC value within limits for Fe 259.939 Recovery = 99.07%						

All analyte(s) passed QC.

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Sequence No.: 71
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/21/2014 9:28:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3856664.8	0.9696	mg/L	0.01246				1.28%
Ag 328.068†	191.6	0.0010	mg/L	0.00063	0.0010	mg/L	0.00063	65.55%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	190.8	0.0080	mg/L	0.00133	0.0080	mg/L	0.00133	16.70%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	4.4	0.0015	mg/L	0.00166	0.0015	mg/L	0.00166	110.13%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	5055.6	0.0534	mg/L	0.00753	0.0534	mg/L	0.00753	14.10%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	398.3	0.0030	mg/L	0.00110	0.0030	mg/L	0.00110	36.25%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	111.1	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	114.38%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	-20.2	-0.0002	mg/L	0.00003	-0.0002	mg/L	0.00003	17.33%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	15.1	0.0003	mg/L	0.00067	0.0003	mg/L	0.00067	218.98%
QC value within limits for Co 228.616 Recovery = Not calculated								

Cr 267.716†	-10.0	-0.0001 mg/L	0.00025	-0.0001 mg/L	0.00025	204.23%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	250.9	0.0012 mg/L	0.00002	0.0012 mg/L	0.00002	1.59%
QC value within limits for Cu 324.752 Recovery = Not calculated						
K 766.490†	164.2	0.1402 mg/L	0.04393	0.1402 mg/L	0.04393	31.32%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 279.077†	95.9	0.0061 mg/L	0.00371	0.0061 mg/L	0.00371	61.12%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	275.9	0.0004 mg/L	0.00006	0.0004 mg/L	0.00006	14.42%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	24.0	0.0009 mg/L	0.00054	0.0009 mg/L	0.00054	57.53%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Ni 231.604†	13.7	0.0002 mg/L	0.00059	0.0002 mg/L	0.00059	259.28%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Na 589.592†	-255.1	-0.1231 mg/L	0.02220	-0.1231 mg/L	0.02220	18.02%
QC value within limits for Na 589.592 Recovery = Not calculated						
Pb 220.353†	4.8	0.0003 mg/L	0.00135	0.0003 mg/L	0.00135	410.56%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-7.9	-0.0022 mg/L	0.00192	-0.0022 mg/L	0.00192	87.60%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	1.9	0.0014 mg/L	0.00353	0.0014 mg/L	0.00353	246.75%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	210.7	0.0175 mg/L	0.00152	0.0175 mg/L	0.00152	8.70%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	281.3	0.0007 mg/L	0.00067	0.0007 mg/L	0.00067	95.03%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	-8.7	-0.0029 mg/L	0.00090	-0.0029 mg/L	0.00090	31.08%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	92.9	0.0008 mg/L	0.00009	0.0008 mg/L	0.00009	10.33%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	25.8	0.0003 mg/L	0.00037	0.0003 mg/L	0.00037	141.20%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Ca 227.546†	-10.9	-0.0517 mg/L	0.00564	-0.0517 mg/L	0.00564	10.89%
QC value within limits for Ca 227.546 Recovery = Not calculated						
Sr 421.552†	97.0	0.0013 mg/L	0.00071	0.0013 mg/L	0.00071	56.15%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Fe 259.939†	563.6	0.0049 mg/L	0.00062	0.0049 mg/L	0.00062	12.86%
QC value within limits for Fe 259.939 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 72
Sample ID: PBW-208848
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 5/21/2014 9:35:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: PBW-208848

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3843379.5	0.9663	mg/L	0.00108				0.11%
Ag 328.068†	42.0	0.0002	mg/L	0.00017				82.05%
Al 308.215†	222.7	0.0093	mg/L	0.00079				8.51%
As 188.979†	-0.4	-0.0001	mg/L	0.00308				>999.9%
B 249.772†	2372.6	0.0251	mg/L	0.00267				10.66%
Ba 233.527†	171.1	0.0013	mg/L	0.00000				0.36%
Be 313.107†	149.2	0.0001	mg/L	0.00002				26.04%
Cd 226.502†	-2.1	0.0000	mg/L	0.00011				664.47%
Co 228.616†	-15.2	-0.0003	mg/L	0.00009				30.17%
Cr 267.716†	55.7	0.0007	mg/L	0.00016				23.39%
Cu 324.752†	-17.3	-0.0001	mg/L	0.00010				120.06%
K 766.490†	87.7	0.0749	mg/L	0.06038				80.65%
Mg 279.077†	61.2	0.0039	mg/L	0.00032				8.15%
Mn 257.610†	63.1	0.0001	mg/L	0.00005				52.59%
Mo 202.031†	2.8	0.0001	mg/L	0.00021				190.73%
Ni 231.604†	-24.5	-0.0004	mg/L	0.00019				46.93%
Na 589.592†	-572.4	-0.2765	mg/L	0.04777				17.28%
Pb 220.353†	-5.7	-0.0004	mg/L	0.00034				87.56%
Sb 206.836†	-15.6	-0.0043	mg/L	0.00021				4.79%
Se 196.026†	4.7	0.0036	mg/L	0.00187				52.35%
Sn 189.927†	-262.0	-0.0218	mg/L	0.00069				3.18%

Ti 337.279†	115.8	0.0003	mg/L	0.00018	62.90%
Tl 190.801†	-0.7	-0.0002	mg/L	0.00077	351.80%
V 292.402†	34.3	0.0003	mg/L	0.00013	39.93%
Zn 206.200†	137.3	0.0014	mg/L	0.00001	0.86%
Ca 227.546†	-14.5	-0.0691	mg/L	0.03590	51.98%
Sr 421.552†	-17.8	-0.0002	mg/L	0.00010	42.99%
Fe 259.939†	475.8	0.0041	mg/L	0.00002	0.38%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 73
Sample ID: LCSW-208848
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 5/21/2014 9:41:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: LCSW-208848

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3548100.3	0.8920	mg/L	0.00845				0.95%
Ag 328.068†	9531.9	0.0478	mg/L	0.00005				0.10%
Al 308.215†	47179.3	1.958	mg/L	0.0053				0.27%
As 188.979†	107.7	0.0356	mg/L	0.00412				11.59%
B 249.772†	83602.6	0.8775	mg/L	0.01492				1.70%
Ba 233.527†	251343.4	1.917	mg/L	0.0008				0.04%
Be 313.107†	108662.0	0.0451	mg/L	0.00012				0.26%
Cd 226.502†	6419.3	0.0483	mg/L	0.00033				0.68%
Co 228.616†	23802.5	0.4776	mg/L	0.00303				0.63%
Cr 267.716†	15432.3	0.1904	mg/L	0.00082				0.43%
Cu 324.752†	51799.0	0.2543	mg/L	0.00051				0.20%
K 766.490†	20069.8	17.14	mg/L	0.304				1.77%
Mg 279.077†	29285.5	1.856	mg/L	0.0036				0.20%
Mn 257.610†	321190.6	0.4623	mg/L	0.00018				0.04%
Mo 202.031†	12663.8	0.4937	mg/L	0.00207				0.42%
Ni 231.604†	29917.7	0.4958	mg/L	0.00244				0.49%
Na 589.592†	32984.2	15.97	mg/L	0.274				1.72%
Pb 220.353†	7302.6	0.5046	mg/L	0.00185				0.37%
Sb 206.836†	1768.1	0.4905	mg/L	0.00455				0.93%
Se 196.026†	1363.1	1.027	mg/L	0.0033				0.32%
Sn 189.927†	64817.6	5.377	mg/L	0.0081				0.15%
Ti 337.279†	190518.2	0.4741	mg/L	0.00022				0.05%
Tl 190.801†	5921.8	1.957	mg/L	0.0089				0.45%
V 292.402†	51666.1	0.4724	mg/L	0.00117				0.25%
Zn 206.200†	48693.5	0.4985	mg/L	0.00163				0.33%
Ca 227.546†	396.1	1.884	mg/L	0.0196				1.04%
Sr 421.552†	25.5	0.0003	mg/L	0.00032				96.42%
Fe 259.939†	107738.2	0.9291	mg/L	0.01185				1.28%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 74
Sample ID: R1403466-002
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 5/21/2014 9:48:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-002

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3219583.2	0.8094	mg/L	0.01167				1.44%
Ag 328.068†	-32.1	-0.0001	mg/L	0.00003				31.51%
Al 308.215†	9082.5	0.3424	mg/L	0.00304				0.89%
As 188.979†	-0.6	-0.0001	mg/L	0.00265				>999.9%
B 249.772†	24332.9	0.2354	mg/L	0.00334				1.42%
Ba 233.527†	19249.6	0.1468	mg/L	0.00072				0.49%
Be 313.107†	-1477.6	-0.0006	mg/L	0.00000				0.02%
Cd 226.502†	-1.3	-0.0001	mg/L	0.00009				73.49%
Co 228.616†	-58.7	-0.0012	mg/L	0.00017				14.07%
Cr 267.716†	-66.8	0.0002	mg/L	0.00018				75.93%
Cu 324.752†	1459.4	0.0057	mg/L	0.00012				2.05%

K 766.490†	6702.4	5.724	mg/L	0.0425		0.74%
Mg 279.077†	933603.6	59.17	mg/L	0.368		0.62%
Mn 257.610†	27897.7	0.0402	mg/L	0.00010		0.25%
Mo 202.031†	34.5	0.0013	mg/L	0.00006		4.51%
Ni 231.604†	68.6	0.0011	mg/L	0.00004		3.78%
Na 589.592†	115474.1	55.84	mg/L	0.352		0.63%
Pb 220.353†	-22.2	0.0009	mg/L	0.00115		124.66%
Sb 206.836†	-19.1	-0.0053	mg/L	0.00030		5.68%
Se 196.026†	13.4	0.0080	mg/L	0.00652		82.06%
Sn 189.927†	-509.6	-0.0227	mg/L	0.00071		3.11%
Ti 337.279†	2393.6	0.0060	mg/L	0.00031		5.13%
Tl 190.801†	3.0	0.0019	mg/L	0.00115		60.65%
V 292.402†	261.5	0.0024	mg/L	0.00007		3.04%
Zn 206.200†	473.9	0.0049	mg/L	0.00003		0.63%
Ca 227.546†	27741.0	132.0	mg/L	1.10		0.84%
Sr 421.552†	2805235.2	36.63	mg/L	0.243		0.66%
Fe 259.939†	138524.5	1.193	mg/L	0.0239		2.00%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 75
Sample ID: R1403466-003
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 79
Date Collected: 5/21/2014 9:54:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-003

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3218220.5	0.8091	mg/L	0.00221			0.27%
Ag 328.068†	16.6	0.0002	mg/L	0.00007			34.73%
Al 308.215†	33991.0	1.368	mg/L	0.0012			0.09%
As 188.979†	4.4	0.0017	mg/L	0.00227			130.83%
B 249.772†	9706.6	0.0679	mg/L	0.00153			2.25%
Ba 233.527†	14668.9	0.1119	mg/L	0.00025			0.23%
Be 313.107†	-1290.8	-0.0005	mg/L	0.00000			0.05%
Cd 226.502†	1.8	-0.0002	mg/L	0.00004			21.04%
Co 228.616†	-2.5	0.0000	mg/L	0.00021			421.24%
Cr 267.716†	42.0	0.0016	mg/L	0.00031			18.92%
Cu 324.752†	1649.2	0.0067	mg/L	0.00039			5.77%
K 766.490†	8492.0	7.252	mg/L	0.1128			1.56%
Mg 279.077†	1026827.2	65.08	mg/L	0.046			0.07%
Mn 257.610†	282136.4	0.4061	mg/L	0.00064			0.16%
Mo 202.031†	21.5	0.0008	mg/L	0.00018			20.91%
Ni 231.604†	415.2	0.0069	mg/L	0.00007			1.07%
Na 589.592†	257455.9	124.4	mg/L	1.27			1.02%
Pb 220.353†	21.3	0.0049	mg/L	0.00055			11.14%
Sb 206.836†	-22.9	-0.0063	mg/L	0.00255			40.15%
Se 196.026†	15.6	0.0089	mg/L	0.00184			20.77%
Sn 189.927†	-596.9	-0.0217	mg/L	0.00151			6.99%
Ti 337.279†	3913.4	0.0097	mg/L	0.00047			4.77%
Tl 190.801†	0.2	0.0011	mg/L	0.00172			156.05%
V 292.402†	229.1	0.0022	mg/L	0.00025			11.30%
Zn 206.200†	1022.4	0.0105	mg/L	0.00006			0.53%
Ca 227.546†	39550.6	188.2	mg/L	0.85			0.45%
Sr 421.552†	62511.6	0.8164	mg/L	0.00840			1.03%
Fe 259.939†	270298.3	2.329	mg/L	0.0258			1.11%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 76
Sample ID: R1403466-004
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 80
Date Collected: 5/21/2014 10:00:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-004

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3401773.1	0.8553	mg/L	0.00560			0.66%

Ag 328.068†	-40.1	-0.0002	mg/L	0.00050	281.62%
Al 308.215†	1584.3	0.0438	mg/L	0.00031	0.70%
As 188.979†	2.2	0.0008	mg/L	0.00316	398.80%
B 249.772†	11460.0	0.1097	mg/L	0.00104	0.95%
Ba 233.527†	12386.1	0.0944	mg/L	0.00140	1.48%
Be 313.107†	-1283.0	-0.0005	mg/L	0.00003	5.60%
Cd 226.502†	-12.8	-0.0001	mg/L	0.00003	18.40%
Co 228.616†	-69.5	-0.0014	mg/L	0.00006	4.47%
Cr 267.716†	-56.4	0.0001	mg/L	0.00018	206.41%
Cu 324.752†	786.9	0.0027	mg/L	0.00050	18.19%
K 766.490†	3475.0	2.968	mg/L	0.0572	1.93%
Mg 279.077†	673011.5	42.65	mg/L	0.616	1.44%
Mn 257.610†	5603.7	0.0081	mg/L	0.00016	2.03%
Mo 202.031†	128.4	0.0050	mg/L	0.00065	13.03%
Ni 231.604†	-42.7	-0.0007	mg/L	0.00030	41.87%
Na 589.592†	28764.7	13.94	mg/L	0.163	1.17%
Pb 220.353†	-24.7	-0.0002	mg/L	0.00064	276.29%
Sb 206.836†	-15.2	-0.0042	mg/L	0.00078	18.60%
Se 196.026†	13.2	0.0086	mg/L	0.00082	9.55%
Sn 189.927†	-532.4	-0.0328	mg/L	0.00061	1.86%
Ti 337.279†	-11.8	0.0000	mg/L	0.00045	>999.9%
Tl 190.801†	2.4	0.0014	mg/L	0.00081	56.10%
V 292.402†	161.9	0.0015	mg/L	0.00021	13.73%
Zn 206.200†	321.5	0.0033	mg/L	0.00001	0.41%
Ca 227.546†	16169.4	76.93	mg/L	0.554	0.72%
Sr 421.552†	2998838.5	39.16	mg/L	0.671	1.71%
Fe 259.939†	55656.5	0.4790	mg/L	0.00428	0.89%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 77
Sample ID: R1403466-005
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 81
Date Collected: 5/21/2014 10:07:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-005

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3203854.8	0.8055	mg/L	0.00339				0.42%
Ag 328.068†	-331.0	0.0003	mg/L	0.00025				82.42%
Al 308.215†	1664.2	0.0156	mg/L	0.00384				24.62%
As 188.979†	-9.7	0.0008	mg/L	0.00176				220.83%
B 249.772†	45179.1	0.2357	mg/L	0.00013				0.05%
Ba 233.527†	2760.2	0.0210	mg/L	0.00002				0.08%
Be 313.107†	-1435.4	-0.0006	mg/L	0.00004				7.17%
Cd 226.502†	438.0	-0.0002	mg/L	0.00003				13.96%
Co 228.616†	5.2	0.0001	mg/L	0.00028				271.20%
Cr 267.716†	-37.7	0.0018	mg/L	0.00016				9.03%
Cu 324.752†	234.4	0.0074	mg/L	0.00012				1.62%
K 766.490†	21618.1	18.46	mg/L	0.220				1.19%
Mg 279.077†	513768.3	32.56	mg/L	0.125				0.38%
Mn 257.610†	1322146.0	1.903	mg/L	0.0080				0.42%
Mo 202.031†	35.3	0.0014	mg/L	0.00019				13.60%
Ni 231.604†	198.2	0.0033	mg/L	0.00015				4.56%
Na 589.592†	441228.5	213.3	mg/L	3.46				1.62%
Pb 220.353†	-10.4	0.0029	mg/L	0.00010				3.56%
Sb 206.836†	-23.9	-0.0066	mg/L	0.00007				1.12%
Se 196.026†	-4.9	0.0065	mg/L	0.00375				58.01%
Sn 189.927†	-648.1	-0.0201	mg/L	0.00050				2.47%
Ti 337.279†	217.5	0.0005	mg/L	0.00006				11.08%
Tl 190.801†	-12.2	-0.0020	mg/L	0.00177				88.94%
V 292.402†	62.7	0.0023	mg/L	0.00038				16.51%
Zn 206.200†	2583.8	0.0264	mg/L	0.00015				0.58%
Ca 227.546†	47789.9	227.4	mg/L	1.73				0.76%
Sr 421.552†	84192.7	1.100	mg/L	0.0166				1.51%
Fe 259.939†	4434382.6	38.22	mg/L	0.020				0.05%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 78 **Autosampler Location: 82**

Sample ID: R1403466-006
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 5/21/2014 10:13:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-006

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	3362998.3	0.8455	mg/L	0.00182				0.22%
Ag 328.068†	16.7	0.0001	mg/L	0.00005				48.69%
Al 308.215†	2820.7	0.0865	mg/L	0.00150				1.73%
As 188.979†	-0.9	-0.0003	mg/L	0.00159				534.07%
B 249.772†	6593.7	0.0561	mg/L	0.00095				1.69%
Ba 233.527†	16366.0	0.1248	mg/L	0.00020				0.16%
Be 313.107†	-1165.1	-0.0005	mg/L	0.00000				0.12%
Cd 226.502†	-29.7	-0.0002	mg/L	0.00010				40.80%
Co 228.616†	-50.1	-0.0010	mg/L	0.00002				1.88%
Cr 267.716†	-115.5	-0.0005	mg/L	0.00016				33.15%
Cu 324.752†	1230.2	0.0045	mg/L	0.00004				0.80%
K 766.490†	4368.1	3.730	mg/L	0.0527				1.41%
Mg 279.077†	857555.4	54.35	mg/L	0.150				0.28%
Mn 257.610†	21139.7	0.0304	mg/L	0.00016				0.51%
Mo 202.031†	49.8	0.0019	mg/L	0.00022				11.44%
Ni 231.604†	32.8	0.0005	mg/L	0.00021				38.56%
Na 589.592†	102576.4	49.60	mg/L	0.282				0.57%
Pb 220.353†	-29.7	0.0000	mg/L	0.00076				>999.9%
Sb 206.836†	-21.7	-0.0060	mg/L	0.00177				29.44%
Se 196.026†	12.8	0.0075	mg/L	0.00541				71.67%
Sn 189.927†	-584.7	-0.0322	mg/L	0.00018				0.56%
Ti 337.279†	484.3	0.0012	mg/L	0.00018				14.75%
Tl 190.801†	2.3	0.0016	mg/L	0.00197				124.50%
V 292.402†	119.6	0.0011	mg/L	0.00033				29.94%
Zn 206.200†	1762.8	0.0180	mg/L	0.00001				0.07%
Ca 227.546†	23237.6	110.6	mg/L	0.74				0.67%
Sr 421.552†	81840.4	1.069	mg/L	0.0055				0.52%
Fe 259.939†	23032.3	0.1976	mg/L	0.00015				0.07%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 79
Sample ID: R1403466-008
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 83
Date Collected: 5/21/2014 10:19:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-008

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	3403542.0	0.8557	mg/L	0.00588				0.69%
Ag 328.068†	-25.5	-0.0001	mg/L	0.00107				874.43%
Al 308.215†	1049.2	0.0230	mg/L	0.00113				4.94%
As 188.979†	-0.2	-0.0001	mg/L	0.00158				>999.9%
B 249.772†	10184.8	0.0995	mg/L	0.00025				0.25%
Ba 233.527†	10642.1	0.0811	mg/L	0.00011				0.14%
Be 313.107†	-1268.0	-0.0005	mg/L	0.00007				13.77%
Cd 226.502†	-23.0	-0.0002	mg/L	0.00003				15.36%
Co 228.616†	-71.8	-0.0014	mg/L	0.00029				20.07%
Cr 267.716†	-97.0	-0.0003	mg/L	0.00026				85.15%
Cu 324.752†	708.4	0.0022	mg/L	0.00030				13.93%
K 766.490†	2869.4	2.450	mg/L	0.0392				1.60%
Mg 279.077†	749047.2	47.47	mg/L	0.022				0.05%
Mn 257.610†	2666.1	0.0038	mg/L	0.00000				0.05%
Mo 202.031†	114.4	0.0045	mg/L	0.00018				4.13%
Ni 231.604†	-16.6	-0.0003	mg/L	0.00007				27.01%
Na 589.592†	37989.5	18.40	mg/L	0.149				0.81%
Pb 220.353†	-32.4	-0.0009	mg/L	0.00018				20.09%
Sb 206.836†	-30.2	-0.0083	mg/L	0.00022				2.66%
Se 196.026†	6.3	0.0035	mg/L	0.00156				44.91%
Sn 189.927†	-530.5	-0.0341	mg/L	0.00003				0.08%
Ti 337.279†	-195.1	-0.0005	mg/L	0.00008				17.03%

Tl 190.801†	-4.1	-0.0006	mg/L	0.00040	64.15%
V 292.402†	114.9	0.0011	mg/L	0.00007	6.93%
Zn 206.200†	239.6	0.0025	mg/L	0.00013	5.19%
Ca 227.546†	14118.2	67.17	mg/L	0.404	0.60%
Sr 421.552†	3761566.5	49.12	mg/L	0.099	0.20%
Fe 259.939†	10646.3	0.0910	mg/L	0.00030	0.33%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 80
Sample ID: R1403466-009
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 84
Date Collected: 5/21/2014 10:25:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-009

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3307201.9	0.8315	mg/L	0.00312				0.37%
Ag 328.068†	38.2	0.0002	mg/L	0.00001				6.40%
Al 308.215†	1002.2	0.0204	mg/L	0.00237				11.61%
As 188.979†	23.6	0.0082	mg/L	0.00060				7.28%
B 249.772†	9064.7	0.0847	mg/L	0.00027				0.32%
Ba 233.527†	25490.0	0.1944	mg/L	0.00023				0.12%
Be 313.107†	-1306.2	-0.0005	mg/L	0.00001				1.15%
Cd 226.502†	-21.7	-0.0002	mg/L	0.00017				78.54%
Co 228.616†	-57.0	-0.0011	mg/L	0.00008				6.70%
Cr 267.716†	-134.1	-0.0006	mg/L	0.00009				14.21%
Cu 324.752†	911.0	0.0031	mg/L	0.00016				5.23%
K 766.490†	17021.8	14.54	mg/L	0.020				0.14%
Mg 279.077†	848230.5	53.76	mg/L	0.101				0.19%
Mn 257.610†	4712.4	0.0068	mg/L	0.00000				0.02%
Mo 202.031†	181.7	0.0071	mg/L	0.00005				0.73%
Ni 231.604†	21.0	0.0003	mg/L	0.00029				84.89%
Na 589.592†	148736.2	71.90	mg/L	0.354				0.49%
Pb 220.353†	-17.9	0.0002	mg/L	0.00202				>999.9%
Sb 206.836†	-11.8	-0.0032	mg/L	0.00167				51.67%
Se 196.026†	18.2	0.0126	mg/L	0.00178				14.06%
Sn 189.927†	-551.9	-0.0361	mg/L	0.00058				1.62%
Ti 337.279†	-151.1	-0.0004	mg/L	0.00020				52.51%
Tl 190.801†	-9.1	-0.0022	mg/L	0.00156				72.16%
V 292.402†	185.5	0.0017	mg/L	0.00013				7.47%
Zn 206.200†	172.9	0.0018	mg/L	0.00010				5.42%
Ca 227.546†	13872.4	66.00	mg/L	0.235				0.36%
Sr 421.552†	328134.0	4.285	mg/L	0.0133				0.31%
Fe 259.939†	74157.0	0.6383	mg/L	0.00744				1.17%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 81
Sample ID: R1403466-010
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 85
Date Collected: 5/21/2014 10:32:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-010

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3071494.7	0.7722	mg/L	0.00282				0.37%
Ag 328.068†	46.7	0.0006	mg/L	0.00045				78.50%
Al 308.215†	1727.5	0.0254	mg/L	0.00265				10.44%
As 188.979†	-0.3	0.0006	mg/L	0.00154				254.39%
B 249.772†	20900.1	0.1629	mg/L	0.00010				0.06%
Ba 233.527†	17205.9	0.1312	mg/L	0.00030				0.23%
Be 313.107†	-1832.6	-0.0008	mg/L	0.00001				1.19%
Cd 226.502†	35.2	-0.0003	mg/L	0.00006				17.53%
Co 228.616†	391.5	0.0079	mg/L	0.00022				2.80%
Cr 267.716†	90.0	0.0021	mg/L	0.00002				1.05%
Cu 324.752†	1126.7	0.0055	mg/L	0.00020				3.63%
K 766.490†	15316.8	13.08	mg/L	0.306				2.34%

Mg 279.077†	723633.9	45.86 mg/L	0.079		0.17%
Mn 257.610†	1879045.2	2.704 mg/L	0.0068		0.25%
Mo 202.031†	19.8	0.0008 mg/L	0.00038		48.67%
Ni 231.604†	409.7	0.0068 mg/L	0.00012		1.76%
Na 589.592†	692310.6	334.5 mg/L	6.60		1.97%
Pb 220.353†	-42.2	0.0002 mg/L	0.00059		257.79%
Sb 206.836†	-29.8	-0.0082 mg/L	0.00122		14.87%
Se 196.026†	23.3	0.0163 mg/L	0.00825		50.49%
Sn 189.927†	-648.3	-0.0261 mg/L	0.00086		3.30%
Ti 337.279†	-94.9	-0.0002 mg/L	0.00027		114.35%
Tl 190.801†	-15.0	-0.0040 mg/L	0.00034		8.47%
V 292.402†	131.8	0.0015 mg/L	0.00043		28.87%
Zn 206.200†	1299.2	0.0133 mg/L	0.00013		0.98%
Ca 227.546†	39291.5	186.9 mg/L	1.84		0.99%
Sr 421.552†	100791.9	1.316 mg/L	0.0215		1.63%
Fe 259.939†	757224.4	6.526 mg/L	0.0567		0.87%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 82 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 5/21/2014 10:38:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3461481.2	0.8703	mg/L	0.00760				0.87%
Ag 328.068†	100264.3	0.5020	mg/L	0.00138	0.5020	mg/L	0.00138	0.28%
QC value within limits for Ag 328.068 Recovery = 100.41%								
Al 308.215†	246781.4	10.24	mg/L	0.037	10.24	mg/L	0.037	0.36%
QC value within limits for Al 308.215 Recovery = 102.41%								
As 188.979†	3016.0	1.036	mg/L	0.0096	1.036	mg/L	0.0096	0.92%
QC value within limits for As 188.979 Recovery = 103.65%								
B 249.772†	228997.4	2.387	mg/L	0.0664	2.387	mg/L	0.0664	2.78%
QC value within limits for B 249.772 Recovery = 95.47%								
Ba 233.527†	1349599.0	10.29	mg/L	0.015	10.29	mg/L	0.015	0.14%
QC value within limits for Ba 233.527 Recovery = 102.91%								
Be 313.107†	590262.8	0.2448	mg/L	0.00174	0.2448	mg/L	0.00174	0.71%
QC value within limits for Be 313.107 Recovery = 97.91%								
Cd 226.502†	68147.6	0.5129	mg/L	0.00058	0.5129	mg/L	0.00058	0.11%
QC value within limits for Cd 226.502 Recovery = 102.58%								
Co 228.616†	124247.9	2.493	mg/L	0.0013	2.493	mg/L	0.0013	0.05%
QC value within limits for Co 228.616 Recovery = 99.72%								
Cr 267.716†	40776.9	0.5037	mg/L	0.00005	0.5037	mg/L	0.00005	0.01%
QC value within limits for Cr 267.716 Recovery = 100.74%								
Cu 324.752†	257004.0	1.261	mg/L	0.0121	1.261	mg/L	0.0121	0.96%
QC value within limits for Cu 324.752 Recovery = 100.89%								
K 766.490†	27733.3	23.68	mg/L	0.135	23.68	mg/L	0.135	0.57%
QC value within limits for K 766.490 Recovery = 94.73%								
Mg 279.077†	391316.3	24.80	mg/L	0.018	24.80	mg/L	0.018	0.07%
QC value within limits for Mg 279.077 Recovery = 99.20%								
Mn 257.610†	511276.7	0.7358	mg/L	0.00043	0.7358	mg/L	0.00043	0.06%
QC value within limits for Mn 257.610 Recovery = 98.11%								
Mo 202.031†	62719.1	2.445	mg/L	0.0037	2.445	mg/L	0.0037	0.15%
QC value within limits for Mo 202.031 Recovery = 97.80%								
Ni 231.604†	120355.2	1.995	mg/L	0.0032	1.995	mg/L	0.0032	0.16%
QC value within limits for Ni 231.604 Recovery = 99.73%								
Na 589.592†	51251.7	24.94	mg/L	0.062	24.94	mg/L	0.062	0.25%
QC value within limits for Na 589.592 Recovery = 99.75%								
Pb 220.353†	7565.6	0.5277	mg/L	0.00479	0.5277	mg/L	0.00479	0.91%
QC value within limits for Pb 220.353 Recovery = 105.54%								
Sb 206.836†	18455.3	5.112	mg/L	0.0478	5.112	mg/L	0.0478	0.93%
QC value within limits for Sb 206.836 Recovery = 102.24%								
Se 196.026†	710.4	0.5362	mg/L	0.00506	0.5362	mg/L	0.00506	0.94%
QC value within limits for Se 196.026 Recovery = 107.24%								
Sn 189.927†	60897.7	5.045	mg/L	0.0164	5.045	mg/L	0.0164	0.33%
QC value within limits for Sn 189.927 Recovery = 100.89%								
Ti 337.279†	965543.7	2.403	mg/L	0.0054	2.403	mg/L	0.0054	0.22%
QC value within limits for Ti 337.279 Recovery = 96.11%								

Tl 190.801†	3202.4	1.060 mg/L	0.0103	1.060 mg/L	0.0103	0.97%
QC value within limits for Tl 190.801 Recovery = 106.03%						
V 292.402†	272525.6	2.492 mg/L	0.0258	2.492 mg/L	0.0258	1.03%
QC value within limits for V 292.402 Recovery = 99.66%						
Zn 206.200†	98931.9	1.013 mg/L	0.0005	1.013 mg/L	0.0005	0.05%
QC value within limits for Zn 206.200 Recovery = 101.27%						
Ca 227.546†	5576.4	26.53 mg/L	0.286	26.53 mg/L	0.286	1.08%
QC value within limits for Ca 227.546 Recovery = 106.12%						
Sr 421.552†	176020.1	2.299 mg/L	0.0006	2.299 mg/L	0.0006	0.03%
QC value within limits for Sr 421.552 Recovery = 91.95%						
Fe 259.939†	568140.6	4.899 mg/L	0.0788	4.899 mg/L	0.0788	1.61%
QC value within limits for Fe 259.939 Recovery = 97.98%						

All analyte(s) passed QC.

Sequence No.: 83 **Autosampler Location: 5**
Sample ID: CCB **Date Collected: 5/21/2014 10:44:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3775143.0	0.9491	mg/L	0.00239				0.25%
Ag 328.068†	33.3	0.0002	mg/L	0.00026	0.0002	mg/L	0.00026	158.84%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	175.6	0.0073	mg/L	0.00426	0.0073	mg/L	0.00426	57.96%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	5.7	0.0020	mg/L	0.00071	0.0020	mg/L	0.00071	36.16%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	4016.5	0.0425	mg/L	0.00728	0.0425	mg/L	0.00728	17.13%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	489.5	0.0037	mg/L	0.00095	0.0037	mg/L	0.00095	25.50%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	19.3	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	458.13%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	-25.1	-0.0002	mg/L	0.00008	-0.0002	mg/L	0.00008	41.98%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	2.4	0.0000	mg/L	0.00036	0.0000	mg/L	0.00036	746.84%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-19.9	-0.0002	mg/L	0.00004	-0.0002	mg/L	0.00004	16.02%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	13.1	0.0001	mg/L	0.00076	0.0001	mg/L	0.00076	>999.9%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	407.5	0.3480	mg/L	0.04686	0.3480	mg/L	0.04686	13.47%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	57.2	0.0036	mg/L	0.00230	0.0036	mg/L	0.00230	63.29%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	323.8	0.0005	mg/L	0.00013	0.0005	mg/L	0.00013	28.13%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.9	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	90.40%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	13.0	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	21.34%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	2544.1	1.229	mg/L	0.0489	1.229	mg/L	0.0489	3.98%
QC value greater than the upper limit for Na 589.592 Recovery = Not calculated								
Pb 220.353†	-4.5	-0.0003	mg/L	0.00021	-0.0003	mg/L	0.00021	69.22%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-8.2	-0.0023	mg/L	0.00059	-0.0023	mg/L	0.00059	25.95%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.0	-0.0008	mg/L	0.00617	-0.0008	mg/L	0.00617	789.11%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	162.4	0.0135	mg/L	0.00336	0.0135	mg/L	0.00336	24.96%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	262.3	0.0007	mg/L	0.00039	0.0007	mg/L	0.00039	59.79%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	0.3	0.0001	mg/L	0.00034	0.0001	mg/L	0.00034	321.61%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	129.4	0.0012	mg/L	0.00048	0.0012	mg/L	0.00048	40.33%
QC value within limits for V 292.402 Recovery = Not calculated								

Zn 206.200†	-40.8	-0.0004 mg/L	0.00012	-0.0004 mg/L	0.00012	28.44%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Ca 227.546†	-25.6	-0.1216 mg/L	0.01325	-0.1216 mg/L	0.01325	10.90%
QC value within limits for Ca 227.546 Recovery = Not calculated						
Sr 421.552†	149.6	0.0020 mg/L	0.00006	0.0020 mg/L	0.00006	3.06%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Fe 259.939†	-804.8	-0.0069 mg/L	0.00009	-0.0069 mg/L	0.00009	1.27%
QC value within limits for Fe 259.939 Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 84
Sample ID: R1403466-011
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 86
Date Collected: 5/21/2014 10:50:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-011

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3228063.5	0.8116	mg/L	0.00189				0.23%
Ag 328.068†	-2553.2	0.0005	mg/L	0.00003				6.76%
Al 308.215†	2067.2	0.0268	mg/L	0.00446				16.66%
As 188.979†	-100.2	-0.0066	mg/L	0.00145				21.78%
B 249.772†	180781.4	0.4331	mg/L	0.00980				2.26%
Ba 233.527†	53486.3	0.4078	mg/L	0.00107				0.26%
Be 313.107†	-1284.0	-0.0005	mg/L	0.00001				1.44%
Cd 226.502†	3141.5	0.0000	mg/L	0.00008				434.73%
Co 228.616†	33.5	0.0007	mg/L	0.00011				16.31%
Cr 267.716†	-1294.9	0.0002	mg/L	0.00063				317.87%
Cu 324.752†	-8549.4	0.0027	mg/L	0.00111				41.54%
K 766.490†	62766.1	53.60	mg/L	0.108				0.20%
Mg 279.077†	2067612.7	131.0	mg/L	0.25				0.19%
Mn 257.610†	1687991.5	2.429	mg/L	0.0025				0.10%
Mo 202.031†	-225.6	-0.0088	mg/L	0.00022				2.52%
Ni 231.604†	-181.3	-0.0030	mg/L	0.00012				3.86%
Na 589.592†	218495.9	106.9	mg/L	0.31				0.29%
Pb 220.353†	13.7	0.0048	mg/L	0.00049				10.18%
Sb 206.836†	-34.8	-0.0096	mg/L	0.00268				27.79%
Se 196.026†	-148.8	-0.0172	mg/L	0.00402				23.40%
Sn 189.927†	-577.2	-0.0187	mg/L	0.00136				7.24%
Ti 337.279†	147.7	0.0004	mg/L	0.00011				28.65%
Tl 190.801†	-39.2	-0.0005	mg/L	0.00018				38.29%
V 292.402†	-1111.0	0.0014	mg/L	0.00031				22.57%
Zn 206.200†	1410.9	0.0144	mg/L	0.00004				0.28%
Ca 227.546†	41269.9	196.4	mg/L	1.23				0.63%
Sr 421.552†	64071.7	0.8367	mg/L	0.00002				0.00%
Fe 259.939†	29864837.0	257.4	mg/L LR	2.79				1.08%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 85
Sample ID: R1403466-012
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 87
Date Collected: 5/21/2014 10:57:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-012

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3157253.5	0.7938	mg/L	0.00044				0.06%
Ag 328.068†	-24.7	-0.0001	mg/L	0.00016				129.34%
Al 308.215†	1073.6	0.0288	mg/L	0.00135				4.68%
As 188.979†	69.7	0.0241	mg/L	0.00053				2.19%
B 249.772†	33765.8	0.3513	mg/L	0.00790				2.25%
Ba 233.527†	1274.6	0.0097	mg/L	0.00024				2.42%
Be 313.107†	-1631.8	-0.0007	mg/L	0.00007				10.92%
Cd 226.502†	-30.8	-0.0002	mg/L	0.00006				27.93%
Co 228.616†	-91.5	-0.0018	mg/L	0.00022				11.74%
Cr 267.716†	200.8	0.0033	mg/L	0.00017				5.11%

Cu 324.752†	1101.3	0.0042	mg/L	0.00055	13.08%
K 766.490†	12151.5	10.38	mg/L	0.042	0.41%
Mg 279.077†	668270.0	42.35	mg/L	0.002	0.01%
Mn 257.610†	709.2	0.0010	mg/L	0.00002	1.96%
Mo 202.031†	92.3	0.0036	mg/L	0.00025	6.82%
Ni 231.604†	-44.5	-0.0007	mg/L	0.00013	17.11%
Na 589.592†	591089.2	285.6	mg/L	1.08	0.38%
Pb 220.353†	-6.2	0.0006	mg/L	0.00095	156.76%
Sb 206.836†	-17.5	-0.0048	mg/L	0.00231	47.82%
Se 196.026†	11.3	0.0076	mg/L	0.00265	34.89%
Sn 189.927†	-473.5	-0.0322	mg/L	0.00017	0.53%
Ti 337.279†	-308.5	-0.0008	mg/L	0.00008	9.95%
Tl 190.801†	-4.7	-0.0009	mg/L	0.00056	60.06%
V 292.402†	213.1	0.0019	mg/L	0.00033	16.73%
Zn 206.200†	1068.6	0.0109	mg/L	0.00000	0.03%
Ca 227.546†	10097.6	48.04	mg/L	0.328	0.68%
Sr 421.552†	90820.2	1.186	mg/L	0.0042	0.35%
Fe 259.939†	943.1	0.0075	mg/L	0.00004	0.50%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 86
Sample ID: R1403466-013
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 88
Date Collected: 5/21/2014 11:03:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403466-013

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3176991.7	0.7987	mg/L	0.01519				1.90%
Ag 328.068†	-36.3	-0.0001	mg/L	0.00045				323.70%
Al 308.215†	10361.4	0.3822	mg/L	0.00233				0.61%
As 188.979†	-4.5	-0.0015	mg/L	0.00318				216.33%
B 249.772†	27900.7	0.2685	mg/L	0.00378				1.41%
Ba 233.527†	4640.8	0.0354	mg/L	0.00121				3.42%
Be 313.107†	-1477.3	-0.0006	mg/L	0.00002				2.83%
Cd 226.502†	-11.3	-0.0002	mg/L	0.00001				6.25%
Co 228.616†	-44.1	-0.0009	mg/L	0.00031				35.35%
Cr 267.716†	-31.0	0.0007	mg/L	0.00020				30.92%
Cu 324.752†	1272.5	0.0046	mg/L	0.00049				10.73%
K 766.490†	10212.8	8.721	mg/L	0.3520				4.04%
Mg 279.077†	1020915.9	64.70	mg/L	0.623				0.96%
Mn 257.610†	28710.2	0.0413	mg/L	0.00127				3.07%
Mo 202.031†	44.6	0.0017	mg/L	0.00009				5.03%
Ni 231.604†	19.4	0.0003	mg/L	0.00023				72.06%
Na 589.592†	79848.6	38.64	mg/L	1.079				2.79%
Pb 220.353†	-32.9	0.0011	mg/L	0.00035				31.06%
Sb 206.836†	-28.9	-0.0080	mg/L	0.00467				58.51%
Se 196.026†	20.2	0.0117	mg/L	0.00087				7.39%
Sn 189.927†	-619.8	-0.0231	mg/L	0.00112				4.84%
Ti 337.279†	3770.3	0.0094	mg/L	0.00030				3.20%
Tl 190.801†	1.6	0.0015	mg/L	0.00170				113.26%
V 292.402†	262.2	0.0024	mg/L	0.00062				25.38%
Zn 206.200†	884.2	0.0091	mg/L	0.00026				2.84%
Ca 227.546†	40171.0	191.1	mg/L	1.11				0.58%
Sr 421.552†	1984938.4	25.92	mg/L	0.636				2.45%
Fe 259.939†	95639.0	0.8233	mg/L	0.01942				2.36%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 87
Sample ID: R1403523-010
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 89
Date Collected: 5/21/2014 11:10:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403523-010

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Y 371.029	3425096.3	0.8611	mg/L	0.00038	0.04%
Ag 328.068†	-2.7	0.0000	mg/L	0.00016	>999.9%
Al 308.215†	4985.0	0.1905	mg/L	0.00092	0.48%
As 188.979†	-2.4	-0.0008	mg/L	0.00152	184.75%
B 249.772†	1983.6	0.0116	mg/L	0.00095	8.15%
Ba 233.527†	4060.2	0.0310	mg/L	0.00009	0.28%
Be 313.107†	-887.0	-0.0004	mg/L	0.00003	9.16%
Cd 226.502†	-15.1	-0.0001	mg/L	0.00014	106.21%
Co 228.616†	-69.3	-0.0014	mg/L	0.00007	5.18%
Cr 267.716†	52.0	0.0008	mg/L	0.00005	6.45%
Cu 324.752†	202.3	0.0007	mg/L	0.00018	27.01%
K 766.490†	1358.0	1.160	mg/L	0.0107	0.92%
Mg 279.077†	198620.2	12.59	mg/L	0.014	0.11%
Mn 257.610†	30151.8	0.0434	mg/L	0.00015	0.36%
Mo 202.031†	-8.3	-0.0003	mg/L	0.00034	103.62%
Ni 231.604†	-63.9	-0.0011	mg/L	0.00027	25.20%
Na 589.592†	32895.8	15.90	mg/L	0.059	0.37%
Pb 220.353†	-27.0	-0.0007	mg/L	0.00151	227.78%
Sb 206.836†	-19.1	-0.0053	mg/L	0.00058	10.97%
Se 196.026†	6.4	0.0035	mg/L	0.00559	161.17%
Sn 189.927†	-522.1	-0.0326	mg/L	0.00136	4.17%
Ti 337.279†	922.6	0.0023	mg/L	0.00009	3.73%
Tl 190.801†	-6.3	-0.0019	mg/L	0.00134	71.10%
V 292.402†	188.6	0.0017	mg/L	0.00046	26.66%
Zn 206.200†	164.8	0.0017	mg/L	0.00016	9.61%
Ca 227.546†	15213.0	72.38	mg/L	0.139	0.19%
Sr 421.552†	16462.8	0.2150	mg/L	0.00243	1.13%
Fe 259.939†	23691.9	0.2040	mg/L	0.00160	0.78%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 88
Sample ID: R1403523-022
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 90
Date Collected: 5/21/2014 11:16:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403523-022

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3438648.8	0.8645	mg/L	0.00014				0.02%
Ag 328.068†	-377.3	0.0050	mg/L	0.00001				0.15%
Al 308.215†	11349.1	0.4577	mg/L	0.00536				1.17%
As 188.979†	303.4	0.1199	mg/L	0.00237				1.98%
B 249.772†	85858.5	0.1381	mg/L	0.00325				2.35%
Ba 233.527†	66826.0	0.5096	mg/L	0.00019				0.04%
Be 313.107†	-49.4	0.0000	mg/L	0.00002				95.80%
Cd 226.502†	1678.5	0.0002	mg/L	0.00025				102.74%
Co 228.616†	499.6	0.0100	mg/L	0.00014				1.42%
Cr 267.716†	4554.1	0.0635	mg/L	0.00009				0.15%
Cu 324.752†	-4779.1	0.0015	mg/L	0.00040				26.37%
K 766.490†	1154.0	0.9855	mg/L	0.04369				4.43%
Mg 279.077†	193397.7	12.26	mg/L	0.030				0.25%
Mn 257.610†	17970804.7	25.86	mg/L	0.027				0.11%
Mo 202.031†	-166.0	-0.0065	mg/L	0.00001				0.08%
Ni 231.604†	-33.8	-0.0006	mg/L	0.00030				54.37%
Na 589.592†	6736.6	3.933	mg/L	0.0167				0.42%
Pb 220.353†	88.7	0.0072	mg/L	0.00038				5.21%
Sb 206.836†	-6.3	-0.0018	mg/L	0.00128				72.71%
Se 196.026†	-56.8	0.0076	mg/L	0.00287				37.52%
Sn 189.927†	-515.2	-0.0331	mg/L	0.00078				2.36%
Ti 337.279†	975.7	0.0024	mg/L	0.00007				2.93%
Tl 190.801†	-79.4	-0.0205	mg/L	0.00209				10.16%
V 292.402†	-722.7	-0.0006	mg/L	0.00022				37.68%
Zn 206.200†	2817.9	0.0288	mg/L	0.00002				0.06%
Ca 227.546†	13676.9	65.07	mg/L	0.284				0.44%
Sr 421.552†	15736.1	0.2055	mg/L	0.00016				0.08%
Fe 259.939†	15634109.1	134.7	mg/L	0.84				0.62%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 89
Sample ID: R1403523-023
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 91
Date Collected: 5/21/2014 11:22:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403523-023

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	3397312.3	0.8541	mg/L	0.00336				0.39%
Ag 328.068†	-30.9	-0.0002	mg/L	0.00067				440.13%
Al 308.215†	773.4	0.0122	mg/L	0.00224				18.37%
As 188.979†	2.6	0.0009	mg/L	0.00280				303.50%
B 249.772†	573.6	-0.0034	mg/L	0.00048				13.88%
Ba 233.527†	3462.8	0.0264	mg/L	0.00002				0.07%
Be 313.107†	-806.5	-0.0003	mg/L	0.00006				18.26%
Cd 226.502†	-21.7	-0.0002	mg/L	0.00013				74.87%
Co 228.616†	-43.5	-0.0009	mg/L	0.00006				6.79%
Cr 267.716†	85.0	0.0012	mg/L	0.00008				6.16%
Cu 324.752†	190.0	0.0005	mg/L	0.00012				27.22%
K 766.490†	1284.9	1.097	mg/L	0.0503				4.58%
Mg 279.077†	270818.9	17.16	mg/L	0.085				0.50%
Mn 257.610†	5607.8	0.0081	mg/L	0.00062				7.64%
Mo 202.031†	-11.5	-0.0004	mg/L	0.00030				66.52%
Ni 231.604†	51.8	0.0009	mg/L	0.00022				25.65%
Na 589.592†	6445.8	3.132	mg/L	0.0030				0.10%
Pb 220.353†	-26.4	-0.0005	mg/L	0.00031				66.73%
Sb 206.836†	-10.9	-0.0030	mg/L	0.00321				106.27%
Se 196.026†	17.4	0.0115	mg/L	0.00134				11.66%
Sn 189.927†	-534.0	-0.0322	mg/L	0.00021				0.65%
Ti 337.279†	-0.9	0.0000	mg/L	0.00017				>999.9%
Tl 190.801†	-5.1	-0.0014	mg/L	0.00127				89.01%
V 292.402†	128.5	0.0012	mg/L	0.00000				0.08%
Zn 206.200†	174.1	0.0018	mg/L	0.00002				1.17%
Ca 227.546†	17209.2	81.88	mg/L	0.261				0.32%
Sr 421.552†	18767.9	0.2451	mg/L	0.00184				0.75%
Fe 259.939†	5686.4	0.0487	mg/L	0.00017				0.35%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 90
Sample ID: R1403523-023D
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 92
Date Collected: 5/21/2014 11:29:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403523-023D

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	3446498.0	0.8665	mg/L	0.00253				0.29%
Ag 328.068†	118.3	0.0006	mg/L	0.00021				35.46%
Al 308.215†	870.6	0.0167	mg/L	0.00118				7.06%
As 188.979†	-2.1	-0.0007	mg/L	0.00405				551.81%
B 249.772†	330.5	-0.0057	mg/L	0.00004				0.64%
Ba 233.527†	3383.7	0.0258	mg/L	0.00025				0.98%
Be 313.107†	-824.9	-0.0003	mg/L	0.00001				2.03%
Cd 226.502†	-42.1	-0.0003	mg/L	0.00010				31.79%
Co 228.616†	-65.1	-0.0013	mg/L	0.00001				0.85%
Cr 267.716†	96.5	0.0014	mg/L	0.00018				12.60%
Cu 324.752†	136.7	0.0002	mg/L	0.00019				97.22%
K 766.490†	1202.2	1.027	mg/L	0.0559				5.45%
Mg 279.077†	268494.1	17.02	mg/L	0.010				0.06%
Mn 257.610†	3753.8	0.0054	mg/L	0.00009				1.75%
Mo 202.031†	-15.6	-0.0006	mg/L	0.00010				16.73%
Ni 231.604†	47.5	0.0008	mg/L	0.00015				19.36%
Na 589.592†	5864.8	2.851	mg/L	0.0576				2.02%
Pb 220.353†	-13.7	0.0004	mg/L	0.00021				55.37%
Sb 206.836†	-21.0	-0.0058	mg/L	0.00282				48.56%
Se 196.026†	11.0	0.0067	mg/L	0.00229				34.30%
Sn 189.927†	-549.5	-0.0338	mg/L	0.00106				3.13%

Ti 337.279†	-11.3	0.0000 mg/L	0.00015		548.53%
Tl 190.801†	-2.2	-0.0005 mg/L	0.00048		98.35%
V 292.402†	137.6	0.0013 mg/L	0.00090		71.11%
Zn 206.200†	216.0	0.0022 mg/L	0.00028		12.52%
Ca 227.546†	16776.7	79.82 mg/L	0.072		0.09%
Sr 421.552†	18322.2	0.2393 mg/L	0.00175		0.73%
Fe 259.939†	5071.0	0.0434 mg/L	0.00022		0.50%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 91
Sample ID: R1403523-023S
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 93
Date Collected: 5/21/2014 11:35:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403523-023S

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3319878.1	0.8347	mg/L	0.00987				1.18%
Ag 328.068†	10198.6	0.0511	mg/L	0.00039				0.77%
Al 308.215†	48593.4	1.998	mg/L	0.0083				0.41%
As 188.979†	123.6	0.0410	mg/L	0.00155				3.78%
B 249.772†	96307.6	1.002	mg/L	0.0198				1.98%
Ba 233.527†	267599.0	2.041	mg/L	0.0044				0.21%
Be 313.107†	118299.9	0.0491	mg/L	0.00022				0.45%
Cd 226.502†	6625.0	0.0498	mg/L	0.00081				1.62%
Co 228.616†	23508.1	0.4717	mg/L	0.00650				1.38%
Cr 267.716†	16420.7	0.2028	mg/L	0.00272				1.34%
Cu 324.752†	50038.6	0.2451	mg/L	0.00228				0.93%
K 766.490†	21516.8	18.37	mg/L	0.131				0.71%
Mg 279.077†	297015.2	18.82	mg/L	0.030				0.16%
Mn 257.610†	350700.7	0.5047	mg/L	0.00124				0.25%
Mo 202.031†	13065.9	0.5094	mg/L	0.00755				1.48%
Ni 231.604†	29515.6	0.4892	mg/L	0.00677				1.38%
Na 589.592†	38647.6	18.72	mg/L	0.135				0.72%
Pb 220.353†	7633.0	0.5287	mg/L	0.00595				1.12%
Sb 206.836†	1845.8	0.5120	mg/L	0.00658				1.28%
Se 196.026†	1485.9	1.118	mg/L	0.0220				1.97%
Sn 189.927†	66824.9	5.555	mg/L	0.0279				0.50%
Ti 337.279†	190618.2	0.4744	mg/L	0.00088				0.19%
Tl 190.801†	6108.0	2.019	mg/L	0.0336				1.66%
V 292.402†	55182.6	0.5045	mg/L	0.00226				0.45%
Zn 206.200†	51156.6	0.5237	mg/L	0.00029				0.05%
Ca 227.546†	16564.8	78.81	mg/L	1.189				1.51%
Sr 421.552†	17964.1	0.2346	mg/L	0.00180				0.77%
Fe 259.939†	119754.7	1.032	mg/L	0.0228				2.21%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 92
Sample ID: R1403523-023A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 94
Date Collected: 5/21/2014 11:41:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403523-023A

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3267909.3	0.8216	mg/L	0.00095				0.12%
Ag 328.068†	9822.2	0.0492	mg/L	0.00001				0.03%
Al 308.215†	47398.6	1.957	mg/L	0.0002				0.01%
As 188.979†	116.5	0.0404	mg/L	0.00010				0.24%
B 249.772†	98993.3	1.031	mg/L	0.0176				1.71%
Ba 233.527†	261465.9	1.994	mg/L	0.0072				0.36%
Be 313.107†	115128.8	0.0477	mg/L	0.00009				0.19%
Cd 226.502†	6541.4	0.0492	mg/L	0.00010				0.20%
Co 228.616†	23064.2	0.4627	mg/L	0.00134				0.29%
Cr 267.716†	16212.7	0.2001	mg/L	0.00035				0.18%
Cu 324.752†	48433.4	0.2377	mg/L	0.00110				0.46%

K 766.490†	21275.5	18.17	mg/L	0.033		0.18%
Mg 279.077†	293679.2	18.61	mg/L	0.084		0.45%
Mn 257.610†	340956.8	0.4907	mg/L	0.00192		0.39%
Mo 202.031†	-24.4	-0.0010	mg/L	0.00014		14.98%
Ni 231.604†	28905.5	0.4790	mg/L	0.00145		0.30%
Na 589.592†	38475.4	18.61	mg/L	0.009		0.05%
Pb 220.353†	7583.2	0.5244	mg/L	0.00119		0.23%
Sb 206.836†	-17.1	-0.0047	mg/L	0.00048		10.21%
Se 196.026†	29.5	0.0210	mg/L	0.00553		26.34%
Sn 189.927†	-389.3	-0.0205	mg/L	0.00126		6.15%
Ti 337.279†	-192.3	-0.0005	mg/L	0.00036		75.69%
Tl 190.801†	6144.5	2.031	mg/L	0.0016		0.08%
V 292.402†	53748.1	0.4913	mg/L	0.00178		0.36%
Zn 206.200†	49897.2	0.5108	mg/L	0.00181		0.35%
Ca 227.546†	16733.1	79.61	mg/L	0.163		0.20%
Sr 421.552†	18175.4	0.2374	mg/L	0.00124		0.52%
Fe 259.939†	118426.5	1.020	mg/L	0.0050		0.49%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 93
Sample ID: R1403523-023L
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 95
Date Collected: 5/21/2014 11:47:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403523-023L

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3606944.1	0.9068	mg/L	0.00419				0.46%
Ag 328.068†	118.9	0.0006	mg/L	0.00017				28.27%
Al 308.215†	364.9	0.0109	mg/L	0.00013				1.18%
As 188.979†	-4.2	-0.0014	mg/L	0.00380				263.13%
B 249.772†	1322.4	0.0120	mg/L	0.00314				26.25%
Ba 233.527†	995.9	0.0076	mg/L	0.00007				0.92%
Be 313.107†	-379.7	-0.0002	mg/L	0.00002				14.27%
Cd 226.502†	-43.7	-0.0003	mg/L	0.00010				29.08%
Co 228.616†	-40.0	-0.0008	mg/L	0.00020				24.39%
Cr 267.716†	-13.3	-0.0001	mg/L	0.00014				112.62%
Cu 324.752†	-334.7	-0.0017	mg/L	0.00022				12.48%
K 766.490†	481.0	0.4107	mg/L	0.01693				4.12%
Mg 279.077†	55412.8	3.512	mg/L	0.0214				0.61%
Mn 257.610†	1883.9	0.0027	mg/L	0.00001				0.42%
Mo 202.031†	-19.5	-0.0008	mg/L	0.00041				54.07%
Ni 231.604†	-3.1	-0.0001	mg/L	0.00022				435.29%
Na 589.592†	1429.7	0.6942	mg/L	0.00297				0.43%
Pb 220.353†	-7.9	-0.0002	mg/L	0.00136				545.69%
Sb 206.836†	-18.0	-0.0050	mg/L	0.00128				25.63%
Se 196.026†	5.2	0.0036	mg/L	0.00376				105.76%
Sn 189.927†	-129.3	-0.0081	mg/L	0.00029				3.63%
Ti 337.279†	-157.2	-0.0004	mg/L	0.00025				63.34%
Tl 190.801†	-4.8	-0.0015	mg/L	0.00184				120.59%
V 292.402†	126.2	0.0012	mg/L	0.00021				18.09%
Zn 206.200†	155.2	0.0016	mg/L	0.00020				12.60%
Ca 227.546†	3740.4	17.80	mg/L	0.001				0.01%
Sr 421.552†	3699.7	0.0483	mg/L	0.00096				1.99%
Fe 259.939†	105.7	0.0009	mg/L	0.00079				92.88%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 94
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/21/2014 11:53:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3355598.5	0.8436	mg/L	0.00900				1.07%

Ag 328.068†	100844.9	0.5049 mg/L	0.00140	0.5049 mg/L	0.00140	0.28%
QC value within limits for Ag 328.068 Recovery = 100.99%						
Al 308.215†	247955.6	10.29 mg/L	0.059	10.29 mg/L	0.059	0.57%
QC value within limits for Al 308.215 Recovery = 102.90%						
As 188.979†	3053.7	1.049 mg/L	0.0137	1.049 mg/L	0.0137	1.31%
QC value within limits for As 188.979 Recovery = 104.95%						
B 249.772†	230238.2	2.400 mg/L	0.0668	2.400 mg/L	0.0668	2.79%
QC value within limits for B 249.772 Recovery = 95.99%						
Ba 233.527†	1356887.6	10.35 mg/L	0.048	10.35 mg/L	0.048	0.46%
QC value within limits for Ba 233.527 Recovery = 103.47%						
Be 313.107†	589972.8	0.2447 mg/L	0.00134	0.2447 mg/L	0.00134	0.55%
QC value within limits for Be 313.107 Recovery = 97.87%						
Cd 226.502†	68715.7	0.5172 mg/L	0.00099	0.5172 mg/L	0.00099	0.19%
QC value within limits for Cd 226.502 Recovery = 103.43%						
Co 228.616†	124123.0	2.491 mg/L	0.0070	2.491 mg/L	0.0070	0.28%
QC value within limits for Co 228.616 Recovery = 99.62%						
Cr 267.716†	40645.2	0.5021 mg/L	0.00032	0.5021 mg/L	0.00032	0.06%
QC value within limits for Cr 267.716 Recovery = 100.41%						
Cu 324.752†	258201.7	1.267 mg/L	0.0037	1.267 mg/L	0.0037	0.29%
QC value within limits for Cu 324.752 Recovery = 101.36%						
K 766.490†	26458.8	22.60 mg/L	0.291	22.60 mg/L	0.291	1.29%
QC value within limits for K 766.490 Recovery = 90.38%						
Mg 279.077†	387285.6	24.55 mg/L	0.043	24.55 mg/L	0.043	0.17%
QC value within limits for Mg 279.077 Recovery = 98.18%						
Mn 257.610†	509709.6	0.7336 mg/L	0.00186	0.7336 mg/L	0.00186	0.25%
QC value within limits for Mn 257.610 Recovery = 97.81%						
Mo 202.031†	62996.1	2.456 mg/L	0.0061	2.456 mg/L	0.0061	0.25%
QC value within limits for Mo 202.031 Recovery = 98.24%						
Ni 231.604†	120569.7	1.998 mg/L	0.0040	1.998 mg/L	0.0040	0.20%
QC value within limits for Ni 231.604 Recovery = 99.91%						
Na 589.592†	43393.2	21.14 mg/L	0.275	21.14 mg/L	0.275	1.30%
QC value less than the lower limit for Na 589.592 Recovery = 84.57%						
Pb 220.353†	7605.3	0.5304 mg/L	0.00453	0.5304 mg/L	0.00453	0.85%
QC value within limits for Pb 220.353 Recovery = 106.09%						
Sb 206.836†	18602.7	5.153 mg/L	0.0576	5.153 mg/L	0.0576	1.12%
QC value within limits for Sb 206.836 Recovery = 103.06%						
Se 196.026†	717.8	0.5417 mg/L	0.00560	0.5417 mg/L	0.00560	1.03%
QC value within limits for Se 196.026 Recovery = 108.35%						
Sn 189.927†	61492.6	5.094 mg/L	0.0274	5.094 mg/L	0.0274	0.54%
QC value within limits for Sn 189.927 Recovery = 101.88%						
Ti 337.279†	962883.1	2.396 mg/L	0.0016	2.396 mg/L	0.0016	0.07%
QC value within limits for Ti 337.279 Recovery = 95.85%						
Tl 190.801†	3212.2	1.064 mg/L	0.0164	1.064 mg/L	0.0164	1.55%
QC value within limits for Tl 190.801 Recovery = 106.35%						
V 292.402†	272903.0	2.495 mg/L	0.0204	2.495 mg/L	0.0204	0.82%
QC value within limits for V 292.402 Recovery = 99.80%						
Zn 206.200†	100052.8	1.024 mg/L	0.0023	1.024 mg/L	0.0023	0.23%
QC value within limits for Zn 206.200 Recovery = 102.42%						
Ca 227.546†	5618.8	26.73 mg/L	0.361	26.73 mg/L	0.361	1.35%
QC value within limits for Ca 227.546 Recovery = 106.93%						
Sr 421.552†	172139.8	2.248 mg/L	0.0265	2.248 mg/L	0.0265	1.18%
QC value less than the lower limit for Sr 421.552 Recovery = 89.92%						
Fe 259.939†	572129.4	4.933 mg/L	0.0186	4.933 mg/L	0.0186	0.38%
QC value within limits for Fe 259.939 Recovery = 98.67%						

QC Failed. Continue with analysis.

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Sequence No.: 95
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/22/2014 12:00:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3734078.4	0.9388	mg/L	0.00754				0.80%
Ag 328.068†	186.2	0.0009	mg/L	0.00041	0.0009	mg/L	0.00041	44.36%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	256.3	0.0107	mg/L	0.00465	0.0107	mg/L	0.00465	43.41%
QC value within limits for Al 308.215 Recovery = Not calculated								

As 188.979†	2.2	0.0008	mg/L	0.00113	0.0008	mg/L	0.00113 147.84%
QC value within limits for As 188.979 Recovery = Not calculated							
B 249.772†	4110.3	0.0434	mg/L	0.00663	0.0434	mg/L	0.00663 15.26%
QC value within limits for B 249.772 Recovery = Not calculated							
Ba 233.527†	518.4	0.0040	mg/L	0.00076	0.0040	mg/L	0.00076 19.24%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	-144.7	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002 36.79%
QC value within limits for Be 313.107 Recovery = Not calculated							
Cd 226.502†	-27.3	-0.0002	mg/L	0.00011	-0.0002	mg/L	0.00011 52.22%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Co 228.616†	-16.9	-0.0003	mg/L	0.00028	-0.0003	mg/L	0.00028 81.68%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-26.7	-0.0003	mg/L	0.00035	-0.0003	mg/L	0.00035 104.93%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 324.752†	-227.4	-0.0011	mg/L	0.00067	-0.0011	mg/L	0.00067 60.01%
QC value within limits for Cu 324.752 Recovery = Not calculated							
K 766.490†	359.3	0.3068	mg/L	0.00351	0.3068	mg/L	0.00351 1.15%
QC value within limits for K 766.490 Recovery = Not calculated							
Mg 279.077†	30.9	0.0020	mg/L	0.00285	0.0020	mg/L	0.00285 145.67%
QC value within limits for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	2705.2	0.0039	mg/L	0.00002	0.0039	mg/L	0.00002 0.61%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	14.2	0.0006	mg/L	0.00053	0.0006	mg/L	0.00053 95.57%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Ni 231.604†	0.4	0.0000	mg/L	0.00046	0.0000	mg/L	0.00046 >999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Na 589.592†	187.5	0.0906	mg/L	0.00305	0.0906	mg/L	0.00305 3.37%
QC value within limits for Na 589.592 Recovery = Not calculated							
Pb 220.353†	-2.8	-0.0002	mg/L	0.00190	-0.0002	mg/L	0.00190 983.30%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-0.2	-0.0001	mg/L	0.00013	-0.0001	mg/L	0.00013 187.03%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	3.3	0.0025	mg/L	0.00061	0.0025	mg/L	0.00061 24.40%
QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	240.8	0.0200	mg/L	0.00136	0.0200	mg/L	0.00136 6.84%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 337.279†	93.5	0.0002	mg/L	0.00039	0.0002	mg/L	0.00039 166.56%
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 190.801†	-2.8	-0.0009	mg/L	0.00015	-0.0009	mg/L	0.00015 15.55%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.402†	172.6	0.0016	mg/L	0.00032	0.0016	mg/L	0.00032 20.45%
QC value within limits for V 292.402 Recovery = Not calculated							
Zn 206.200†	-40.3	-0.0004	mg/L	0.00023	-0.0004	mg/L	0.00023 54.69%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Ca 227.546†	-32.3	-0.1537	mg/L	0.00360	-0.1537	mg/L	0.00360 2.34%
QC value within limits for Ca 227.546 Recovery = Not calculated							
Sr 421.552†	93.9	0.0012	mg/L	0.00049	0.0012	mg/L	0.00049 39.91%
QC value within limits for Sr 421.552 Recovery = Not calculated							
Fe 259.939†	-73.6	-0.0006	mg/L	0.00009	-0.0006	mg/L	0.00009 14.66%
QC value within limits for Fe 259.939 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 96
Sample ID: R1403523-026
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 96
Date Collected: 5/22/2014 12:06:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403523-026

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3439226.5	0.8647	mg/L	0.00490				0.57%
Ag 328.068†	-22.7	-0.0001	mg/L	0.00061				547.89%
Al 308.215†	756.1	0.0114	mg/L	0.00483				42.50%
As 188.979†	-0.7	-0.0002	mg/L	0.00000				1.59%
B 249.772†	3211.5	0.0244	mg/L	0.00236				9.68%
Ba 233.527†	3568.0	0.0272	mg/L	0.00020				0.73%
Be 313.107†	-936.5	-0.0004	mg/L	0.00004				10.25%
Cd 226.502†	-34.8	-0.0003	mg/L	0.00003				10.95%
Co 228.616†	-58.0	-0.0012	mg/L	0.00007				5.64%

Cr 267.716†	84.3	0.0012	mg/L	0.00035	28.41%
Cu 324.752†	227.6	0.0006	mg/L	0.00034	53.19%
K 766.490†	1342.8	1.147	mg/L	0.1038	9.06%
Mg 279.077†	274297.9	17.38	mg/L	0.014	0.08%
Mn 257.610†	3503.1	0.0050	mg/L	0.00010	2.08%
Mo 202.031†	-9.6	-0.0004	mg/L	0.00008	20.21%
Ni 231.604†	66.3	0.0011	mg/L	0.00010	8.66%
Na 589.592†	5441.8	2.647	mg/L	0.0487	1.84%
Pb 220.353†	-13.1	0.0005	mg/L	0.00082	179.50%
Sb 206.836†	-14.6	-0.0040	mg/L	0.00234	57.95%
Se 196.026†	13.2	0.0083	mg/L	0.00356	42.65%
Sn 189.927†	-428.7	-0.0234	mg/L	0.00117	5.01%
Ti 337.279†	-189.0	-0.0005	mg/L	0.00002	4.56%
Tl 190.801†	-3.0	-0.0007	mg/L	0.00054	73.36%
V 292.402†	155.6	0.0014	mg/L	0.00015	10.57%
Zn 206.200†	136.4	0.0014	mg/L	0.00008	5.60%
Ca 227.546†	17299.1	82.30	mg/L	0.432	0.52%
Sr 421.552†	18992.3	0.2480	mg/L	0.00514	2.07%
Fe 259.939†	4696.8	0.0402	mg/L	0.00000	0.00%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 97
Sample ID: R1403619-003
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 97
Date Collected: 5/22/2014 12:12:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403619-003

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	3299890.7	0.8296	mg/L	0.00148				0.18%
Ag 328.068†	-2.1	0.0000	mg/L	0.00024				>999.9%
Al 308.215†	3319.7	0.1125	mg/L	0.00149				1.32%
As 188.979†	2.1	0.0008	mg/L	0.00029				37.20%
B 249.772†	1990.0	0.0083	mg/L	0.00103				12.45%
Ba 233.527†	11398.8	0.0869	mg/L	0.00074				0.85%
Be 313.107†	-1077.8	-0.0004	mg/L	0.00003				6.37%
Cd 226.502†	-4.2	-0.0001	mg/L	0.00009				144.45%
Co 228.616†	-30.0	-0.0006	mg/L	0.00010				17.28%
Cr 267.716†	-32.7	0.0002	mg/L	0.00011				53.30%
Cu 324.752†	728.7	0.0026	mg/L	0.00056				21.69%
K 766.490†	2482.4	2.120	mg/L	0.0643				3.04%
Mg 279.077†	585378.8	37.10	mg/L	0.020				0.05%
Mn 257.610†	21133.5	0.0304	mg/L	0.00021				0.68%
Mo 202.031†	-16.9	-0.0007	mg/L	0.00012				18.47%
Ni 231.604†	-5.1	-0.0001	mg/L	0.00004				52.56%
Na 589.592†	141267.1	68.28	mg/L	0.123				0.18%
Pb 220.353†	-13.4	0.0008	mg/L	0.00112				137.90%
Sb 206.836†	-23.3	-0.0064	mg/L	0.00304				47.16%
Se 196.026†	17.1	0.0111	mg/L	0.00002				0.16%
Sn 189.927†	-492.3	-0.0264	mg/L	0.00029				1.11%
Ti 337.279†	767.5	0.0019	mg/L	0.00048				24.88%
Tl 190.801†	5.1	0.0022	mg/L	0.00227				101.38%
V 292.402†	214.9	0.0020	mg/L	0.00061				31.06%
Zn 206.200†	444.7	0.0046	mg/L	0.00002				0.34%
Ca 227.546†	20449.5	97.29	mg/L	0.425				0.44%
Sr 421.552†	18833.6	0.2460	mg/L	0.00032				0.13%
Fe 259.939†	36294.1	0.3122	mg/L	0.00144				0.46%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

Sequence No.: 98
Sample ID: R1403619-004
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 98
Date Collected: 5/22/2014 12:18:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: R1403619-004

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	3045823.5	0.7658	mg/L	0.00712				0.93%
Ag 328.068†	-270.3	0.0007	mg/L	0.00077				103.84%
Al 308.215†	564505.7	23.52	mg/L	0.018				0.08%
As 188.979†	-67.5	-0.0200	mg/L	0.00671				33.55%
B 249.772†	29742.1	0.0704	mg/L	0.00456				6.48%
Ba 233.527†	27190.5	0.2073	mg/L	0.00132				0.64%
Be 313.107†	-1720.6	-0.0007	mg/L	0.00005				6.35%
Cd 226.502†	417.1	-0.0005	mg/L	0.00004				6.73%
Co 228.616†	1084.0	0.0218	mg/L	0.00009				0.43%
Cr 267.716†	380058.3	4.688	mg/L	0.0129				0.27%
Cu 324.752†	13649.4	0.0738	mg/L	0.00053				0.72%
K 766.490†	8533.7	7.288	mg/L	0.1065				1.46%
Mg 279.077†	460127.7	29.16	mg/L	0.108				0.37%
Mn 257.610†	2329421.9	3.353	mg/L	0.0059				0.18%
Mo 202.031†	2930.9	0.1143	mg/L	0.00078				0.69%
Ni 231.604†	37985.8	0.6295	mg/L	0.00108				0.17%
Na 589.592†	611132.2	295.4	mg/L	5.21				1.76%
Pb 220.353†	162.8	0.0157	mg/L	0.00141				8.98%
Sb 206.836†	269.2	0.0748	mg/L	0.00230				3.07%
Se 196.026†	-9.9	0.0063	mg/L	0.00408				65.05%
Sn 189.927†	-499.7	-0.0313	mg/L	0.00091				2.91%
Ti 337.279†	106768.9	0.2657	mg/L	0.00483				1.82%
Tl 190.801†	-7.6	-0.0008	mg/L	0.00115				150.09%
V 292.402†	2781.2	0.0273	mg/L	0.00091				3.35%
Zn 206.200†	6059.9	0.0620	mg/L	0.00010				0.16%
Ca 227.546†	15249.5	72.55	mg/L	0.343				0.47%
Sr 421.552†	21531.6	0.2812	mg/L	0.00445				1.58%
Fe 259.939†	4737867.5	40.83	mg/L	0.808				1.98%

Sample conc. not calculated. Sample Prep. Vol. AND Initial Vol. required OR sample units incorrect.

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Sequence No.: 99
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/22/2014 12:25:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3227584.4	0.8115	mg/L	0.00199				0.25%
Ag 328.068†	102652.8	0.5140	mg/L	0.00261	0.5140	mg/L	0.00261	0.51%
QC value within limits for Ag 328.068 Recovery = 102.80%								
Al 308.215†	252591.1	10.48	mg/L	0.017	10.48	mg/L	0.017	0.16%
QC value within limits for Al 308.215 Recovery = 104.82%								
As 188.979†	3177.4	1.092	mg/L	0.0043	1.092	mg/L	0.0043	0.40%
QC value within limits for As 188.979 Recovery = 109.22%								
B 249.772†	231383.8	2.411	mg/L	0.0702	2.411	mg/L	0.0702	2.91%
QC value within limits for B 249.772 Recovery = 96.46%								
Ba 233.527†	1379176.4	10.52	mg/L	0.010	10.52	mg/L	0.010	0.09%
QC value within limits for Ba 233.527 Recovery = 105.17%								
Be 313.107†	596586.8	0.2474	mg/L	0.00035	0.2474	mg/L	0.00035	0.14%
QC value within limits for Be 313.107 Recovery = 98.96%								
Cd 226.502†	70134.1	0.5278	mg/L	0.00166	0.5278	mg/L	0.00166	0.31%
QC value within limits for Cd 226.502 Recovery = 105.57%								
Co 228.616†	124878.0	2.506	mg/L	0.0029	2.506	mg/L	0.0029	0.12%
QC value within limits for Co 228.616 Recovery = 100.23%								
Cr 267.716†	40825.1	0.5043	mg/L	0.00222	0.5043	mg/L	0.00222	0.44%
QC value within limits for Cr 267.716 Recovery = 100.86%								
Cu 324.752†	264366.3	1.297	mg/L	0.0002	1.297	mg/L	0.0002	0.01%
QC value within limits for Cu 324.752 Recovery = 103.78%								
K 766.490†	25763.1	22.00	mg/L	0.017	22.00	mg/L	0.017	0.08%
QC value less than the lower limit for K 766.490 Recovery = 88.00%								
Mg 279.077†	385959.5	24.46	mg/L	0.025	24.46	mg/L	0.025	0.10%
QC value within limits for Mg 279.077 Recovery = 97.84%								
Mn 257.610†	511204.7	0.7357	mg/L	0.00078	0.7357	mg/L	0.00078	0.11%
QC value within limits for Mn 257.610 Recovery = 98.10%								
Mo 202.031†	64151.3	2.501	mg/L	0.0187	2.501	mg/L	0.0187	0.75%
QC value within limits for Mo 202.031 Recovery = 100.04%								
Ni 231.604†	121776.2	2.018	mg/L	0.0112	2.018	mg/L	0.0112	0.56%

QC value within limits for Ni 231.604 Recovery = 100.91%

Na 589.592†	45391.7	22.11 mg/L	0.006	22.11 mg/L	0.006	0.03%

QC value less than the lower limit for Na 589.592 Recovery = 88.44%

Pb 220.353†	7886.3	0.5499 mg/L	0.00235	0.5499 mg/L	0.00235	0.43%

QC value within limits for Pb 220.353 Recovery = 109.98%

Sb 206.836†	19276.9	5.340 mg/L	0.0119	5.340 mg/L	0.0119	0.22%

QC value within limits for Sb 206.836 Recovery = 106.79%

Se 196.026†	761.1	0.5743 mg/L	0.01595	0.5743 mg/L	0.01595	2.78%

QC value greater than the upper limit for Se 196.026 Recovery = 114.87%

Sn 189.927†	62748.7	5.198 mg/L	0.0317	5.198 mg/L	0.0317	0.61%

QC value within limits for Sn 189.927 Recovery = 103.96%

Ti 337.279†	970230.4	2.414 mg/L	0.0176	2.414 mg/L	0.0176	0.73%

QC value within limits for Ti 337.279 Recovery = 96.58%

Tl 190.801†	3320.3	1.099 mg/L	0.0020	1.099 mg/L	0.0020	0.18%

QC value within limits for Tl 190.801 Recovery = 109.93%

V 292.402†	277724.8	2.539 mg/L	0.0071	2.539 mg/L	0.0071	0.28%

QC value within limits for V 292.402 Recovery = 101.57%

Zn 206.200†	102479.7	1.049 mg/L	0.0007	1.049 mg/L	0.0007	0.07%

QC value within limits for Zn 206.200 Recovery = 104.91%

Ca 227.546†	5779.5	27.50 mg/L	0.116	27.50 mg/L	0.116	0.42%

QC value within limits for Ca 227.546 Recovery = 109.99%

Sr 421.552†	168351.6	2.199 mg/L	0.0100	2.199 mg/L	0.0100	0.46%

QC value less than the lower limit for Sr 421.552 Recovery = 87.94%

Fe 259.939†	576943.5	4.975 mg/L	0.0237	4.975 mg/L	0.0237	0.48%

QC value within limits for Fe 259.939 Recovery = 99.50%

QC Failed. Continue with analysis.

Sequence No.: 100
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/22/2014 12:31:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3623218.3	0.9109	mg/L	0.00151				0.17%
Ag 328.068†	302.9	0.0015	mg/L	0.00075	0.0015	mg/L	0.00075	49.22%

QC value within limits for Ag 328.068 Recovery = Not calculated

Al 308.215†	326.1	0.0137 mg/L	0.00454	0.0137 mg/L	0.00454	33.21%

QC value within limits for Al 308.215 Recovery = Not calculated

As 188.979†	7.7	0.0027 mg/L	0.00365	0.0027 mg/L	0.00365	137.36%

QC value within limits for As 188.979 Recovery = Not calculated

B 249.772†	4127.9	0.0437 mg/L	0.00752	0.0437 mg/L	0.00752	17.22%

QC value within limits for B 249.772 Recovery = Not calculated

Ba 233.527†	623.7	0.0048 mg/L	0.00083	0.0048 mg/L	0.00083	17.41%

QC value within limits for Ba 233.527 Recovery = Not calculated

Be 313.107†	-395.0	-0.0002 mg/L	0.00003	-0.0002 mg/L	0.00003	16.29%

QC value within limits for Be 313.107 Recovery = Not calculated

Cd 226.502†	-29.4	-0.0002 mg/L	0.00004	-0.0002 mg/L	0.00004	16.39%

QC value within limits for Cd 226.502 Recovery = Not calculated

Co 228.616†	-15.2	-0.0003 mg/L	0.00034	-0.0003 mg/L	0.00034	111.53%

QC value within limits for Co 228.616 Recovery = Not calculated

Cr 267.716†	-38.5	-0.0005 mg/L	0.00018	-0.0005 mg/L	0.00018	37.74%

QC value within limits for Cr 267.716 Recovery = Not calculated

Cu 324.752†	-91.6	-0.0005 mg/L	0.00009	-0.0005 mg/L	0.00009	19.41%

QC value within limits for Cu 324.752 Recovery = Not calculated

K 766.490†	510.4	0.4359 mg/L	0.01242	0.4359 mg/L	0.01242	2.85%

QC value within limits for K 766.490 Recovery = Not calculated

Mg 279.077†	-33.5	-0.0021 mg/L	0.00194	-0.0021 mg/L	0.00194	91.40%

QC value within limits for Mg 279.077 Recovery = Not calculated

Mn 257.610†	2088.2	0.0030 mg/L	0.00016	0.0030 mg/L	0.00016	5.38%

QC value within limits for Mn 257.610 Recovery = Not calculated

Mo 202.031†	-0.9	0.0000 mg/L	0.00021	0.0000 mg/L	0.00021	614.91%

QC value within limits for Mo 202.031 Recovery = Not calculated

Ni 231.604†	-3.5	-0.0001 mg/L	0.00005	-0.0001 mg/L	0.00005	86.40%

QC value within limits for Ni 231.604 Recovery = Not calculated

Na 589.592†	2224.2	1.074 mg/L	0.0048	1.074 mg/L	0.0048	0.45%

QC value greater than the upper limit for Na 589.592 Recovery = Not calculated

Pb 220.353†	12.1	0.0008 mg/L	0.00082	0.0008 mg/L	0.00082	98.19%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	1.0	0.0003 mg/L	0.00127	0.0003 mg/L	0.00127	441.34%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	6.8	0.0052 mg/L	0.00485	0.0052 mg/L	0.00485	94.18%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated						
Sn 189.927†	267.7	0.0222 mg/L	0.00234	0.0222 mg/L	0.00234	10.56%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	27.9	0.0001 mg/L	0.00069	0.0001 mg/L	0.00069	988.22%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	-0.7	-0.0002 mg/L	0.00090	-0.0002 mg/L	0.00090	408.79%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	172.7	0.0016 mg/L	0.00039	0.0016 mg/L	0.00039	24.57%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	-48.8	-0.0005 mg/L	0.00021	-0.0005 mg/L	0.00021	42.61%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Ca 227.546†	-58.3	-0.2772 mg/L	0.02263	-0.2772 mg/L	0.02263	8.16%
QC value within limits for Ca 227.546 Recovery = Not calculated						
Sr 421.552†	83.6	0.0011 mg/L	0.00030	0.0011 mg/L	0.00030	27.59%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Fe 259.939†	-513.2	-0.0044 mg/L	0.00022	-0.0044 mg/L	0.00022	4.87%
QC value within limits for Fe 259.939 Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 101
Sample ID: MRL
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/22/2014 12:37:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MRL

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3538833.0	0.8897	mg/L	0.00228				0.26%
Ag 328.068†	2196.3	0.0110	mg/L	0.00037	0.0110	mg/L	0.00037	3.37%
QC value within limits for Ag 328.068 Recovery = 109.96%								
Al 308.215†	5740.9	0.2387	mg/L	0.00035	0.2387	mg/L	0.00035	0.15%
QC value within limits for Al 308.215 Recovery = 119.34%								
As 188.979†	72.5	0.0250	mg/L	0.00222	0.0250	mg/L	0.00222	8.85%
QC value greater than the upper limit for As 188.979 Recovery = 125.11%								
B 249.772†	17803.2	0.1874	mg/L	0.00118	0.1874	mg/L	0.00118	0.63%
QC value within limits for B 249.772 Recovery = 93.71%								
Ba 233.527†	27763.5	0.2117	mg/L	0.00105	0.2117	mg/L	0.00105	0.50%
QC value within limits for Ba 233.527 Recovery = 105.85%								
Be 313.107†	10429.2	0.0043	mg/L	0.00001	0.0043	mg/L	0.00001	0.28%
QC value within limits for Be 313.107 Recovery = 86.50%								
Cd 226.502†	1342.5	0.0101	mg/L	0.00015	0.0101	mg/L	0.00015	1.45%
QC value within limits for Cd 226.502 Recovery = 101.05%								
Co 228.616†	2401.7	0.0482	mg/L	0.00042	0.0482	mg/L	0.00042	0.87%
QC value within limits for Co 228.616 Recovery = 96.37%								
Cr 267.716†	733.5	0.0091	mg/L	0.00033	0.0091	mg/L	0.00033	3.68%
QC value within limits for Cr 267.716 Recovery = 90.69%								
Cu 324.752†	5080.0	0.0249	mg/L	0.00061	0.0249	mg/L	0.00061	2.43%
QC value within limits for Cu 324.752 Recovery = 99.73%								
K 766.490†	1401.5	1.197	mg/L	0.0278	1.197	mg/L	0.0278	2.32%
QC value within limits for K 766.490 Recovery = 119.68%								
Mg 279.077†	15299.9	0.9697	mg/L	0.00352	0.9697	mg/L	0.00352	0.36%
QC value within limits for Mg 279.077 Recovery = 96.97%								
Mn 257.610†	12281.9	0.0177	mg/L	0.00015	0.0177	mg/L	0.00015	0.83%
QC value within limits for Mn 257.610 Recovery = 117.84%								
Mo 202.031†	647.0	0.0252	mg/L	0.00024	0.0252	mg/L	0.00024	0.97%
QC value within limits for Mo 202.031 Recovery = 100.89%								
Ni 231.604†	2414.2	0.0400	mg/L	0.00037	0.0400	mg/L	0.00037	0.93%
QC value within limits for Ni 231.604 Recovery = 100.02%								
Na 589.592†	2801.5	1.356	mg/L	0.0264	1.356	mg/L	0.0264	1.95%
QC value greater than the upper limit for Na 589.592 Recovery = 135.60%								
Pb 220.353†	138.1	0.0096	mg/L	0.00121	0.0096	mg/L	0.00121	12.60%
QC value within limits for Pb 220.353 Recovery = 96.13%								
Sb 206.836†	207.4	0.0574	mg/L	0.00055	0.0574	mg/L	0.00055	0.96%
QC value within limits for Sb 206.836 Recovery = 95.73%								
Se 196.026†	19.7	0.0149	mg/L	0.00018	0.0149	mg/L	0.00018	1.21%

QC value greater than the upper limit for Se 196.026 Recovery = 148.54%

Sn 189.927†	6794.7	0.5639 mg/L	0.00295	0.5639 mg/L	0.00295	0.52%
QC value within limits for Sn 189.927 Recovery = 112.78%						
Ti 337.279†	18592.3	0.0463 mg/L	0.00006	0.0463 mg/L	0.00006	0.12%
QC value within limits for Ti 337.279 Recovery = 92.54%						
Tl 190.801†	60.3	0.0200 mg/L	0.00154	0.0200 mg/L	0.00154	7.72%
QC value within limits for Tl 190.801 Recovery = 99.82%						
V 292.402†	5311.4	0.0486 mg/L	0.00085	0.0486 mg/L	0.00085	1.75%
QC value within limits for V 292.402 Recovery = 97.11%						
Zn 206.200†	1894.1	0.0194 mg/L	0.00001	0.0194 mg/L	0.00001	0.07%
QC value within limits for Zn 206.200 Recovery = 96.95%						
Ca 227.546†	201.9	0.9606 mg/L	0.00293	0.9606 mg/L	0.00293	0.31%
QC value within limits for Ca 227.546 Recovery = 96.06%						
Sr 421.552†	7020.6	0.0917 mg/L	0.00006	0.0917 mg/L	0.00006	0.07%
QC value within limits for Sr 421.552 Recovery = 91.69%						
Fe 259.939†	10832.4	0.0934 mg/L	0.00026	0.0934 mg/L	0.00026	0.28%
QC value within limits for Fe 259.939 Recovery = 93.38%						

QC Failed. Continue with analysis.

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Sequence No.: 102 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 5/22/2014 12:43:57 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2921887.2	0.7346	mg/L	0.00678				0.92%
Ag 328.068†	-483.7	0.0024	mg/L	0.00006	0.0024	mg/L	0.00006	2.36%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	5961608.6	248.4	mg/L	1.27	248.4	mg/L	1.27	0.51%
QC value within limits for Al 308.215 Recovery = 99.36%								
As 188.979†	73.8	-0.0086	mg/L	0.00393	-0.0086	mg/L	0.00393	45.72%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	59846.8	0.0235	mg/L	0.00660	0.0235	mg/L	0.00660	28.11%
Ba 233.527†	1268.0	0.0097	mg/L	0.00036	0.0097	mg/L	0.00036	3.74%
Be 313.107†	-2476.7	-0.0010	mg/L	0.00006	-0.0010	mg/L	0.00006	6.11%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	1035.7	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	14.29%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-167.5	-0.0011	mg/L	0.00015	-0.0011	mg/L	0.00015	13.36%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-1047.1	-0.0019	mg/L	0.00033	-0.0019	mg/L	0.00033	17.23%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	1084.4	0.0075	mg/L	0.00005	0.0075	mg/L	0.00005	0.61%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	956.7	0.8170	mg/L	0.02506	0.8170	mg/L	0.02506	3.07%
Mg 279.077†	3948183.4	250.2	mg/L	2.47	250.2	mg/L	2.47	0.99%
QC value within limits for Mg 279.077 Recovery = 100.09%								
Mn 257.610†	-1.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	307.23%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	263170.7	10.26	mg/L	0.159	10.26	mg/L	0.159	1.55%
QC value within limits for Mo 202.031 Recovery = 102.60%								
Ni 231.604†	-184.6	-0.0031	mg/L	0.00021	-0.0031	mg/L	0.00021	6.78%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	3047.8	2.751	mg/L	0.0312	2.751	mg/L	0.0312	1.13%
Pb 220.353†	-717.2	0.0053	mg/L	0.00068	0.0053	mg/L	0.00068	12.80%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-92.0	0.0025	mg/L	0.00211	0.0025	mg/L	0.00211	82.90%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-26.3	0.0055	mg/L	0.00483	0.0055	mg/L	0.00483	88.38%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-585.4	-0.0661	mg/L	0.00085	-0.0661	mg/L	0.00085	1.29%
Ti 337.279†	-1646.5	-0.0041	mg/L	0.00045	-0.0041	mg/L	0.00045	11.08%
Tl 190.801†	-26.0	0.0008	mg/L	0.00028	0.0008	mg/L	0.00028	36.87%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-304.2	0.0035	mg/L	0.00005	0.0035	mg/L	0.00005	1.39%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	685.3	0.0070	mg/L	0.00004	0.0070	mg/L	0.00004	0.52%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ca 227.546†	55106.0	262.2 mg/L	3.40	262.2 mg/L	3.40	1.30%

QC value within limits for Ca 227.546 Recovery = 104.87%

Sr 421.552†	345.4	0.0045 mg/L	0.00008	0.0045 mg/L	0.00008	1.69%
Fe 259.939†	10830524.4	93.35 mg/L	1.120	93.35 mg/L	1.120	1.20%

QC value within limits for Fe 259.939 Recovery = 93.35%

All analyte(s) passed QC.

Sequence No.: 103 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 5/22/2014 12:50:32 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2971525.5	0.7471	mg/L	0.00081				0.11%
Ag 328.068†	43037.2	0.2201	mg/L	0.00132	0.2201	mg/L	0.00132	0.60%
QC value within limits for Ag 328.068 Recovery = 110.07%								
Al 308.215†	5884892.2	245.2	mg/L	1.05	245.2	mg/L	1.05	0.43%
QC value within limits for Al 308.215 Recovery = 98.08%								
As 188.979†	390.1	0.1012	mg/L	0.00210	0.1012	mg/L	0.00210	2.08%
QC value within limits for As 188.979 Recovery = 101.23%								
B 249.772†	57484.0	0.0045	mg/L	0.00824	0.0045	mg/L	0.00824	184.71%
Ba 233.527†	73753.6	0.5624	mg/L	0.00505	0.5624	mg/L	0.00505	0.90%
QC value within limits for Ba 233.527 Recovery = 112.48%								
Be 313.107†	1236068.7	0.5126	mg/L	0.00335	0.5126	mg/L	0.00335	0.65%
QC value within limits for Be 313.107 Recovery = 102.52%								
Cd 226.502†	140702.8	1.052	mg/L	0.0109	1.052	mg/L	0.0109	1.04%
QC value within limits for Cd 226.502 Recovery = 105.22%								
Co 228.616†	23417.5	0.4720	mg/L	0.00123	0.4720	mg/L	0.00123	0.26%
QC value within limits for Co 228.616 Recovery = 94.40%								
Cr 267.716†	40821.8	0.5142	mg/L	0.00380	0.5142	mg/L	0.00380	0.74%
QC value within limits for Cr 267.716 Recovery = 102.83%								
Cu 324.752†	105971.6	0.5229	mg/L	0.00347	0.5229	mg/L	0.00347	0.66%
QC value within limits for Cu 324.752 Recovery = 104.57%								
K 766.490†	938.7	0.8016	mg/L	0.02322	0.8016	mg/L	0.02322	2.90%
Mg 279.077†	3927131.6	248.9	mg/L	1.69	248.9	mg/L	1.69	0.68%
QC value within limits for Mg 279.077 Recovery = 99.56%								
Mn 257.610†	356251.0	0.5127	mg/L	0.00450	0.5127	mg/L	0.00450	0.88%
QC value within limits for Mn 257.610 Recovery = 102.55%								
Mo 202.031†	261607.0	10.20	mg/L	0.108	10.20	mg/L	0.108	1.05%
QC value within limits for Mo 202.031 Recovery = 101.99%								
Ni 231.604†	58978.9	0.9774	mg/L	0.01109	0.9774	mg/L	0.01109	1.13%
QC value within limits for Ni 231.604 Recovery = 97.74%								
Na 589.592†	2104.6	2.286	mg/L	0.0105	2.286	mg/L	0.0105	0.46%
Pb 220.353†	71.4	0.0591	mg/L	0.00125	0.0591	mg/L	0.00125	2.12%
QC value within limits for Pb 220.353 Recovery = 118.10%								
Sb 206.836†	2275.8	0.6574	mg/L	0.00177	0.6574	mg/L	0.00177	0.27%
QC value within limits for Sb 206.836 Recovery = 109.57%								
Se 196.026†	51.4	0.0639	mg/L	0.00198	0.0639	mg/L	0.00198	3.11%
QC value greater than the upper limit for Se 196.026 Recovery = 127.74%								
Sn 189.927†	-529.9	-0.0619	mg/L	0.00050	-0.0619	mg/L	0.00050	0.81%
Ti 337.279†	-1636.2	-0.0041	mg/L	0.00026	-0.0041	mg/L	0.00026	6.38%
Tl 190.801†	311.8	0.1124	mg/L	0.00080	0.1124	mg/L	0.00080	0.71%
QC value within limits for Tl 190.801 Recovery = 112.39%								
V 292.402†	53718.6	0.4972	mg/L	0.00226	0.4972	mg/L	0.00226	0.45%
QC value within limits for V 292.402 Recovery = 99.44%								
Zn 206.200†	104668.0	1.071	mg/L	0.0138	1.071	mg/L	0.0138	1.29%
QC value within limits for Zn 206.200 Recovery = 107.15%								
Ca 227.546†	54079.0	257.3	mg/L	1.72	257.3	mg/L	1.72	0.67%
QC value within limits for Ca 227.546 Recovery = 102.92%								
Sr 421.552†	358.6	0.0047	mg/L	0.00015	0.0047	mg/L	0.00015	3.17%
Fe 259.939†	10733237.2	92.52	mg/L	0.205	92.52	mg/L	0.205	0.22%
QC value within limits for Fe 259.939 Recovery = 92.52%								

QC Failed. Continue with analysis.

Sequence No.: 104 **Autosampler Location: 4**

Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 5/22/2014 12:57:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3247381.5	0.8164	mg/L	0.00073				0.09%
Ag 328.068†	103019.4	0.5158	mg/L	0.00052	0.5158	mg/L	0.00052	0.10%
QC value within limits for Ag 328.068 Recovery = 103.17%								
Al 308.215†	255140.0	10.59	mg/L	0.036	10.59	mg/L	0.036	0.34%
QC value within limits for Al 308.215 Recovery = 105.88%								
As 188.979†	3194.4	1.098	mg/L	0.0046	1.098	mg/L	0.0046	0.42%
QC value within limits for As 188.979 Recovery = 109.80%								
B 249.772†	234737.8	2.446	mg/L	0.0546	2.446	mg/L	0.0546	2.23%
QC value within limits for B 249.772 Recovery = 97.85%								
Ba 233.527†	1391241.0	10.61	mg/L	0.017	10.61	mg/L	0.017	0.16%
QC value within limits for Ba 233.527 Recovery = 106.09%								
Be 313.107†	603252.2	0.2502	mg/L	0.00101	0.2502	mg/L	0.00101	0.40%
QC value within limits for Be 313.107 Recovery = 100.07%								
Cd 226.502†	70898.6	0.5336	mg/L	0.00016	0.5336	mg/L	0.00016	0.03%
QC value within limits for Cd 226.502 Recovery = 106.72%								
Co 228.616†	126370.4	2.536	mg/L	0.0018	2.536	mg/L	0.0018	0.07%
QC value within limits for Co 228.616 Recovery = 101.43%								
Cr 267.716†	41305.1	0.5102	mg/L	0.00064	0.5102	mg/L	0.00064	0.13%
QC value within limits for Cr 267.716 Recovery = 102.05%								
Cu 324.752†	264535.3	1.298	mg/L	0.0012	1.298	mg/L	0.0012	0.09%
QC value within limits for Cu 324.752 Recovery = 103.85%								
K 766.490†	25904.5	22.12	mg/L	0.205	22.12	mg/L	0.205	0.93%
QC value less than the lower limit for K 766.490 Recovery = 88.49%								
Mg 279.077†	393638.0	24.95	mg/L	0.072	24.95	mg/L	0.072	0.29%
QC value within limits for Mg 279.077 Recovery = 99.79%								
Mn 257.610†	518203.5	0.7458	mg/L	0.00119	0.7458	mg/L	0.00119	0.16%
QC value within limits for Mn 257.610 Recovery = 99.44%								
Mo 202.031†	64820.2	2.527	mg/L	0.0054	2.527	mg/L	0.0054	0.22%
QC value within limits for Mo 202.031 Recovery = 101.08%								
Ni 231.604†	123448.3	2.046	mg/L	0.0007	2.046	mg/L	0.0007	0.03%
QC value within limits for Ni 231.604 Recovery = 102.29%								
Na 589.592†	41854.7	20.40	mg/L	0.169	20.40	mg/L	0.169	0.83%
QC value less than the lower limit for Na 589.592 Recovery = 81.62%								
Pb 220.353†	7925.4	0.5527	mg/L	0.00364	0.5527	mg/L	0.00364	0.66%
QC value greater than the upper limit for Pb 220.353 Recovery = 110.54%								
Sb 206.836†	19353.4	5.361	mg/L	0.0292	5.361	mg/L	0.0292	0.55%
QC value within limits for Sb 206.836 Recovery = 107.21%								
Se 196.026†	770.2	0.5812	mg/L	0.00853	0.5812	mg/L	0.00853	1.47%
QC value greater than the upper limit for Se 196.026 Recovery = 116.25%								
Sn 189.927†	63312.6	5.245	mg/L	0.0141	5.245	mg/L	0.0141	0.27%
QC value within limits for Sn 189.927 Recovery = 104.89%								
Ti 337.279†	979138.6	2.437	mg/L	0.0009	2.437	mg/L	0.0009	0.04%
QC value within limits for Ti 337.279 Recovery = 97.47%								
Tl 190.801†	3340.4	1.106	mg/L	0.0062	1.106	mg/L	0.0062	0.56%
QC value greater than the upper limit for Tl 190.801 Recovery = 110.59%								
V 292.402†	280000.8	2.560	mg/L	0.0304	2.560	mg/L	0.0304	1.19%
QC value within limits for V 292.402 Recovery = 102.40%								
Zn 206.200†	103689.5	1.061	mg/L	0.0003	1.061	mg/L	0.0003	0.03%
QC value within limits for Zn 206.200 Recovery = 106.14%								
Ca 227.546†	5772.6	27.46	mg/L	0.063	27.46	mg/L	0.063	0.23%
QC value within limits for Ca 227.546 Recovery = 109.86%								
Sr 421.552†	171528.1	2.240	mg/L	0.0116	2.240	mg/L	0.0116	0.52%
QC value less than the lower limit for Sr 421.552 Recovery = 89.60%								
Fe 259.939†	587652.8	5.067	mg/L	0.0301	5.067	mg/L	0.0301	0.59%
QC value within limits for Fe 259.939 Recovery = 101.35%								

QC Failed. Continue with analysis.

Sequence No.: 105
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/22/2014 1:03:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3718416.7	0.9349	mg/L	0.00144				0.15%
Ag 328.068†	214.1	0.0011	mg/L	0.00020	0.0011	mg/L	0.00020	18.31%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	253.8	0.0106	mg/L	0.00229	0.0106	mg/L	0.00229	21.57%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	7.5	0.0026	mg/L	0.00006	0.0026	mg/L	0.00006	2.25%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.772†	4285.4	0.0453	mg/L	0.00751	0.0453	mg/L	0.00751	16.60%
QC value within limits for B 249.772 Recovery = Not calculated								
Ba 233.527†	556.8	0.0042	mg/L	0.00068	0.0042	mg/L	0.00068	16.00%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-181.0	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	20.75%
QC value within limits for Be 313.107 Recovery = Not calculated								
Cd 226.502†	-20.0	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	101.85%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-24.8	-0.0005	mg/L	0.00009	-0.0005	mg/L	0.00009	17.47%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-51.1	-0.0006	mg/L	0.00032	-0.0006	mg/L	0.00032	51.40%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-93.3	-0.0005	mg/L	0.00020	-0.0005	mg/L	0.00020	43.95%
QC value within limits for Cu 324.752 Recovery = Not calculated								
K 766.490†	333.3	0.2846	mg/L	0.09428	0.2846	mg/L	0.09428	33.12%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	21.6	0.0014	mg/L	0.00194	0.0014	mg/L	0.00194	141.38%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	2216.3	0.0032	mg/L	0.00018	0.0032	mg/L	0.00018	5.59%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	15.0	0.0006	mg/L	0.00019	0.0006	mg/L	0.00019	32.61%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	4.0	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	209.30%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Na 589.592†	264.8	0.1280	mg/L	0.00605	0.1280	mg/L	0.00605	4.73%
QC value within limits for Na 589.592 Recovery = Not calculated								
Pb 220.353†	2.3	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	0.36%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-7.9	-0.0022	mg/L	0.00104	-0.0022	mg/L	0.00104	47.47%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	6.4	0.0048	mg/L	0.00052	0.0048	mg/L	0.00052	10.87%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	361.7	0.0300	mg/L	0.00301	0.0300	mg/L	0.00301	10.05%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	-36.5	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	62.13%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 190.801†	-2.9	-0.0009	mg/L	0.00223	-0.0009	mg/L	0.00223	235.91%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	157.0	0.0014	mg/L	0.00047	0.0014	mg/L	0.00047	32.55%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-12.1	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	10.37%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ca 227.546†	-46.6	-0.2218	mg/L	0.02755	-0.2218	mg/L	0.02755	12.42%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Sr 421.552†	109.0	0.0014	mg/L	0.00005	0.0014	mg/L	0.00005	3.49%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Fe 259.939†	676.5	0.0058	mg/L	0.00015	0.0058	mg/L	0.00015	2.50%
QC value within limits for Fe 259.939 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 106
Sample ID: Sample099
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 99
Date Collected: 5/22/2014 1:09:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Sample099

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	3698095.5	0.9298	mg/L	0.00311				0.33%
Ag 328.068†	48.4	0.0002	mg/L	0.00073	0.0002	mg/L	0.00073	299.19%
Al 308.215†	260.6	0.0109	mg/L	0.00048	0.0109	mg/L	0.00048	4.37%
As 188.979†	6.0	0.0021	mg/L	0.00117	0.0021	mg/L	0.00117	55.89%
B 249.772†	1476.9	0.0156	mg/L	0.00148	0.0156	mg/L	0.00148	9.49%
Ba 233.527†	388.1	0.0030	mg/L	0.00005	0.0030	mg/L	0.00005	1.77%
Be 313.107†	-355.6	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	9.54%
Cd 226.502†	-25.0	-0.0002	mg/L	0.00004	-0.0002	mg/L	0.00004	22.49%
Co 228.616†	-31.6	-0.0006	mg/L	0.00002	-0.0006	mg/L	0.00002	3.27%
Cr 267.716†	-32.7	-0.0004	mg/L	0.00024	-0.0004	mg/L	0.00024	58.70%
Cu 324.752†	-229.9	-0.0011	mg/L	0.00019	-0.0011	mg/L	0.00019	17.03%
K 766.490†	276.6	0.2362	mg/L	0.04642	0.2362	mg/L	0.04642	19.66%
Mg 279.077†	-23.9	-0.0015	mg/L	0.00099	-0.0015	mg/L	0.00099	65.22%
Mn 257.610†	2168.6	0.0031	mg/L	0.00005	0.0031	mg/L	0.00005	1.71%
Mo 202.031†	-6.4	-0.0002	mg/L	0.00004	-0.0002	mg/L	0.00004	16.77%
Ni 231.604†	-22.7	-0.0004	mg/L	0.00023	-0.0004	mg/L	0.00023	61.53%
Na 589.592†	32.3	0.0156	mg/L	0.01025	0.0156	mg/L	0.01025	65.70%
Pb 220.353†	-11.1	-0.0008	mg/L	0.00012	-0.0008	mg/L	0.00012	16.17%
Sb 206.836†	-10.6	-0.0029	mg/L	0.00202	-0.0029	mg/L	0.00202	69.04%
Se 196.026†	2.9	0.0022	mg/L	0.00402	0.0022	mg/L	0.00402	184.86%
Sn 189.927†	468.7	0.0389	mg/L	0.00092	0.0389	mg/L	0.00092	2.37%
Ti 337.279†	-150.8	-0.0004	mg/L	0.00019	-0.0004	mg/L	0.00019	51.10%
Tl 190.801†	-4.4	-0.0015	mg/L	0.00000	-0.0015	mg/L	0.00000	0.06%
V 292.402†	125.8	0.0012	mg/L	0.00027	0.0012	mg/L	0.00027	23.70%
Zn 206.200†	223.2	0.0023	mg/L	0.00004	0.0023	mg/L	0.00004	1.78%
Ca 227.546†	-54.0	-0.2569	mg/L	0.03687	-0.2569	mg/L	0.03687	14.35%
Sr 421.552†	14.0	0.0002	mg/L	0.00044	0.0002	mg/L	0.00044	243.10%
Fe 259.939†	775.2	0.0067	mg/L	0.00023	0.0067	mg/L	0.00023	3.47%

Preparation Information Benchsheet

Prep Run#: 208848
Team: Metals/MCRIBBIN

Prep WorkFlow: MetDigAqICP
Prep Method: EPA 3010A

Status: Prepped
Prep Date/Time: 5/20/14 01:31 PM

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1405361-01	MB		50mL	6010C/As T, Cd T, Cr T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		HB6 Therm=287 Well=F6 Temp=95
2	RQ1405361-02	LCS		50mL	6010C/As T, Cd T, Cr T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear	0.5000 mL/65784; 0.5000 mL/65785; 0.2500 mL/69693; 0.0500 mL/57174	
3	R1403466-002	SE-0100-DBR	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		TIER IV
4	R1403466-003	T-27-SB	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
5	R1403466-004	T-27-DB	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
6	R1403466-005	IN-6S	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
7	R1403466-006	SE-0100-SBR	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
8	R1403466-008	T-37-DB	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
9	R1403466-009	T-37-SB	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
10	R1403466-010	OFFICE WELL	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
11	R1403466-011	IN-3S	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear/ Yellow, Clear		
12	R1403466-012	T-32DBR	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
13	R1403466-013	T-32SBR	.01	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless, Clear		
14	R1403523-010	SW-B	.01	50mL	6010C/Cr T	<2			50.00mL	Colorless, Clear		TIER IV
15	R1403523-022	13D	.01	50mL	6010C/Cr T	<2			50.00mL	Brown, Cloudy/ Yellow, Clear		
16	R1403523-023	M-27D	.01	50mL	6010C/Cr T	<2			50.00mL	Colorless, Clear		
17	RQ1405361-03	R1403523-023 DUP	.01	50mL	6010C/Cr T	<2			50.00mL	Colorless, Clear		
18	RQ1405361-04	R1403523-023 MS	.01	50mL	6010C/Cr T	<2			50.00mL	Colorless, Clear	0.5000 mL/65785; 0.0500 mL/57174; 0.5000 mL/65784; 0.2500 mL/69693	
19	R1403523-026	DUP-2	.01	50mL	6010C/Cr T	<2			50.00mL	Colorless, Clear		
20	R1403619-003	GW140514 952	.09	50mL	6010C/As T, Cr T	<2			50.00mL	Colorless, Clear		
21	R1403619-004	GW140514 791	.09	50mL	6010C/As T, Cr T	<2			50.00mL	Brown, Cloudy/ Colorless, Clear		

Preparation Information Benchsheet

Prep Run#: 208848
Team: Metals/MCRIBBIN

Prep WorkFlow: MetDigAqICP
Prep Method: EPA 3010A

Status: Prepped
Prep Date/Time: 5/20/14 01:31 PM

Spiking Solutions

Name:	Selenium 1000 ug/mL Se	Inventory ID	57174	Logbook Ref:	M5280028BB	Expires On:	10/04/2014	Lot #:	1233330
Name:	Custom LCS STD A Metals	Inventory ID	65784	Logbook Ref:	M5280035K	Expires On:	12/12/2014	Lot #:	13L138
Name:	Custom LCS STD B Metals	Inventory ID	65785	Logbook Ref:	M5280035L	Expires On:	12/12/2014	Lot #:	13L138
Name:	Tin 1000 ug/mL Sn	Inventory ID	69693	Logbook Ref:	M5280037P	Expires On:	10/04/2015	Lot #:	13H087

Preparation Materials

1:1 HCl Metals Grade	M5280036X (63957)	Hot Block Cups	50 mL Lot 1306159 (63960)	Nitric Acid Metals Grade HNO3	M5280037X (69879)
Thermometer	287 (12953)				

Preparation Steps

Step: Digestion
Started: 5/20/14 13:31
Finished: 5/21/14 08:14
By: MCRIBBIN
Comments

Comments:

Reviewed By: [signature] Date: 5/21/14 Spike Witness: CWINKSTERN Date:

Chain of Custody

Relinquished By: [signature] Date: 5-21-14 825

Received By: RAO Date: 5-21-14 825

Extracts Examined
Yes No

OPTIMA 3,4,5 CALIBRATION STANDARD #1 (Standard is prepared weekly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
Cal Std.1 Int.	AL	M528002A	20.0	1.00	1000	0.020	2%HNO3	TC 5/5/14	A	M528003654	M528003624	5/12/14	M26 M28
	AS		5.00			0.0050	5%HCl	DCB 5/13/14	B	M528003654	M528003624	5/20/14	ALG M25
	CD		1.00			0.0010		DCB 5/21/14	C	M528003724	M528003624	5/28/14	ALG M25
	CO		3.00			0.0030			D				
	CR		1.00			0.0010			E				
	NI		5.00			0.0050			F				
	PB		5.00			0.0050			G				
	SE		5.00			0.0050			H				
	V		3.00			0.0030			I				
Cal Std. 1	CA	M528032V	5000	0.100		0.500			J				
	K		5000			BELOW			K				
	MG		5000			0.500			L				
	NA		5000			0.500			M				
Single Element	BA	M528022SV	1000	0.020		0.020			N				
	CU	M528009BU	1000	0.010		0.010			O				
	K	M528002 9K	10000	0.150		2.00			P				
	MN	M528002 6M	1000	0.010		0.010			Q				
	MO	M528003S B	1000	0.025		0.025			R				
	SB	M528003 76	1000	0.010		0.010			S				
	TL	M528003 0W	1000	0.010		0.010			T				
	ZN	M528003 4T	1000	0.010		0.010			U				
	P	—	1000	0.100		0.100			V				
									W				
									X				
									Y				
									Z				

OPTIMA 3,4,5 CALIBRATION STANDARD #2
(Standard is prepared weekly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
Single Element	AL	m528c036L	1000	0.100	1000	0.100	2%HNO3	DCB 11/25/13	A	m5280033Q	m528003 4K	12/2/13	m11 m26
	AS	m528c0311	1000	0.010		0.010	5%HCl	DCB 12/3/13	B	m5280034R	m5280034K	12/10/13	m11 m26
	B	m5280028Q	1000	0.200		0.200		CJW 12/11/13	C	M5280034R	M5280034L	12/18/13	m11 m26
	BE (1/10)	m5280027E	100	0.030		0.003		DCB 12/13/13	D	m5280034R	m5280034L	12/20/13	m11 m23
	CA	m5280032T	10000	0.100		1.00		DCB 12/21/13	E	m5280034R	m5280034L	12/28/13	m11 m23
	CD (1/10)	m5280028T	100	0.050		0.005		CJW 12/29/13	F	M5280034R	M5280034L	1/5/13	m11 m37
	CU	m5280028U	1000	0.020		0.020		TC 1/6/14	G	m5280035T	m5280034L	1/13/14	m23 m23
	K	m5280029K	10000	0.200		2.00		DCB 1/14/14	H	m5280035J	m5280035T	1/21/14	m23 m11
	MG	m5280032E	10000	0.100		1.00		DCB 1/22/14	I	m5280035J	m5280035T	1/29/14	m23 m11
	NA	m5280028W	10000	0.100		1.00		DCB 1/30/14	J	m5280035J	m5280035T	2/5/14	m23 m11
	SB	m5280031A	1000	0.060		0.060		DCB 2/6/14	K	m5280035J	m5280035T	2/13/14	m23 m25
	SE	m5280028AA	1000	0.010		0.010		DCB 2/14/14	L	m5280035J	m5280035T	2/21/14	m23 m25
	SN	m5280033H	1000	0.500		0.500		TC 2/21/14	M	M5280035J	m5280035U	2/28/14	m23 m25
								TC 3/3/14	N	M5280035J	m5280035U	3/10/14	m23 m25
								DCB 3/11/14	O	m5280035J	m5280035U	3/18/14	m23 m25
								DCB 3/19/14	P	m5280035J	m5280035U	3/26/14	m23 m11
								DCB 3/27/14	Q	m5280036S	m5280035U	4/3/14	m23 m11
								DCB 4/4/14	R	m5280036S	m5280035U	4/11/14	m23 m25
								DCB 4/14/14	S	m5280036S	m5280036X	4/21/14	m26 m25
								DCB 4/22/14	T	m5280036S	m5280036X	4/29/14	m26 m25
								DCB 4/30/14	U	m5280036S	m5280036X	5/7/14	m26 m25
								DCB 5/8/14	V	m5280036S	m5280036X	5/15/14	m26 m25
								DCB 5/16/14	W	m5280037X	m5280036X	5/23/14	m23 m25
									X				
									Y				
									Z				

60409

OPTIMA 3/4/5 CALIBRATION STANDARD #5 / HLCCV1 (Standard is prepared weekly or as necessary)

(CALIBRATION STANDARD #3 IS A 1/100 DILUTION OF THIS STANDARD)
(CALIBRATION STANDARD #4 IS A 1/5 DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
Cal Std 1	CA	m52800320	5000	5.00	500	50.0	2%HNO3 5%HCl	DCA 5/8/14	A	m52800365	m52800364	5/15/14	m26 m23
	MG		5000			50.0		DCA 5/14/14	B	m52800365	m52800364	5/21/14	m26 m23
	K		5000			50.0		DCA 5/21/14	C	m52800387	m52800364	5/28/14	m26 m23
	NA		5000			50.0			D				
Cal Std 2	AG	m52800350	100	5.00		1.00			E				
	CR		100			1.00			F				
	MN		150			1.50			G				
	NI		400			4.00			H				
	ZN		200			2.00			I				
Cal Std 3	AL	m52800350	2000	5.00		20.0			J				
	BA		2000			20.0			K				
	BE		50			0.500			L				
	CO		500			5.00			M				
	CU		250			2.50			N				
	FE		1000			10.0			O				
	V		500			5.00			P				
Cal Std 4	AS	m52800376	100	10.00		2.00			Q				
	CD		50			1.00			R				
	PB		50			1.00			S				
	SE		50			1.00			T				
	TL		100			2.00			U				
Single Metals	SB	m52800376	1000	5.00		10.0			V				
	SN	m52800331H	1000	5.00		10.0			W				
	B	m52800350A	1000	2.50		5.00			X				
	MO	m52800350B	1000	2.50		5.00			Y				
	TI	m52800346B	1000	2.50		5.00			Z				
	SR	m52800356	1000	2.50		5.00			AA				
	P	—	1000	5.00		10.0			BB				

OPTIMA 3/4/5 ICV/CCV (Standard is prepared daily)
(ICV FOR ILM5.3 IS A ½ DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Pipet ID
Cal Std 1	CA	m528003 4W	5000	1.00	200	25.0	2%HNO3 5%HCl	DCB 5/15/14	A	m528003 7X	m528003 6X	m26 m23
	MG		5000			25.0		DCB 5/16/14	B	m528003 7X	m528003 6X	m26 m23
	K		5000			25.0		DCB 5/17/14	C	m528003 7X	m528003 6X	m26 m23
	NA		5000			25.0		DCB 5/18/14	D	m528003 7X	m528003 6X	m26 m23
Cal Std 2	AG	m528003 6O	100	1.00		0.500		DCB 5/19/14	E	m528003 7X	m528003 6X	m26 m23
	CR		100			0.500		DCB 5/20/14	F	m528003 7X	m528003 6X	m26 m23
	MN		150			0.750		DCB 5/21/14	G	m528003 7X	m528003 6X	m26 m23
	NI		400			2.00			H			
	ZN		200			1.00			I			
Cal Std 3	AL	m528003 5W	2000	1.00		10.0			J			
	BA		2000			10.0			K			
	BE		50			0.250			L			
	CO		500			2.50			M			
	CU		250			1.25			N			
	FE		1000			5.00			O			
	V		500			2.50			P			
Cal Std 4	AS	m528036R	100	2.00		1.00			Q			
	CD		50			0.500			R			
	PB		50			0.500			S			
	SE		50			0.500			T			
	TL		100			1.00			U			
Single Metals	SB	m528003 5I	1000	1.00		5.00			V			
	SN	m528003 7P	1000	1.00		5.00			W			
	B	m528036 G	1000	0.500		2.50			X			
	MO	m528003 1I	1000	0.500		2.50			Y			
	TI	m528003 1K	1000	0.500		2.50			Z			
	SR	m528003 1Q	1000	0.500		2.50			AA			
	P	———	1000	1.00		5.00			BB			

OPTIMA 3/4 HLCCV2 (Standard is prepared every 2 weeks or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
Cal Std 2	AG	MS28600 35D	100	2.00	100	2.00	2%HNO3 5%HCl	TC 5/7/14	A	MS2800 30S	MS2800 36X	5/21/14	M23 M26
	CR		100			Below		DCB 5/19/14	B	MS28003 7X	MS28003 6X	6/2/14	M23 M26
	MN		150			Below			C				
	NI		400			8.00			D				
	ZN		200			4.00			E				
Cal Std 3	AL	MS28600 35E	2000	2.00		Below			F				
	BA		2000			40.0			G				
	BE		50			1.00			H				
	CO, V		500			10.0			I				
	CU		250			5.00			J				
	FE		1000			Below			K				
Cal Std 4	AS, TL	MS28003 7C	100	4.00		4.00			L				
	CD, SE		50			2.00			M				
	PB		50			Below			N				
Single Metals	B	MS28003 5A	1000	1.00		10.0			O				
	MO	MS28150 35B	1000	1.00		10.0			P				
	TI	MS28003 4BB	1000	1.00		10.0			Q				
	SR	MS28003 5G	1000	1.00		10.0			R				
	CA	MS28003 2J	10000	2.50		250			S				
	MG	MS28003 6T	10000	5.00		500			T				
	NA	MS28003 8W	10000	1.50		150			U				
	CR	MS28003 6L	1000	0.800		10.0			V				
	FE	MS28003 8V	10000	0.300		50			W				
	AL	MS28003 7H	10000	4.60		500			X				
	MN	MS28003 6N	1000	0.700		10.00			Y				
	PB	MS28003 4AA	1000	0.800		10.0			Z				
	K	MS28003 9K	10000	1.50		150			AA				

OPTIMA 3/4/5 MRL (Standard is prepared every 6 months or as needed)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
Cal Std 1	CA	m52800328	5000	0.200	1000	1.00	2%HNO3 5%HCl	DCB 3/27/14	A	m52800365	m52800350	9/27/14	m23 m11
	MG	↓	5000			1.00		DCB 4/10/14	B	m52800365	m52800376	10/10/14	m23 m25
	K		5000			1.00		DCB 4/23/14	C	m52800365	m52800376	10/23/14	m23 m25
	NA		5000			1.00		DCB 5/8/14	D	m52800365	m52800364	11/12/14	m23 m25
Cal Std 2	AG	m52800350	100	0.100		0.0100		DCB 5/19/14	E	m52800378	m52800376	11/19/14	m23 m25
	CR		100			0.0100			F				
	MN		150			0.0150			G				
	NI		400			0.0400			H				
	ZN		200			0.0200			I				
Cal Std 3	AL	m5280035E	2000	0.100		0.200			J				
	BA		2000			0.200			K				
	BE		50			0.0050			L				
	CO		500			0.0500			M				
	CU		250			0.0250			N				
	FE		1000			0.100			O				
	V		500			0.0500			P				
Cal Std 4	AS	m52800360	100	0.200		0.0200			Q				
	CD		50			0.0100			R				
	PB		50			0.0100			S				
	SE		50			0.0100			T				
	TL		100			0.0200			U				
Single Metals	B	m52800280	1000	0.200		0.200			V				
	MO	m52800350	1000	0.025		0.0250			W				
	SN	m52800338	1000	0.500		0.500			X				
	TI	m52800348B	1000	0.050		0.0500			Y				
	SB	m52800318	1000	0.060		0.0600			Z				
	SR	m52800356	1000	0.100		0.100			AA				
	P	—	1000	0.100		0.100			BB				

OPTIMA 5300DV #4 (DUAL VIEW) ICSA STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot #	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
Int. A Sol'n	M5280037J	Multi	50	1000	Multi	5% HCL	CJW 4/24/14	A	M5280036S	M5280036>	10/24/14	—
AL		5000			250	2%HNO3		B				
CA		5000			250			C				
FE		2000			100			D				
MG		5000			250			E				
Single Element MO	M5280036B	1000	10		10			F				
								G				
								H				
								I				
								J				
								K				
								L				
								M				
								N				
								O				
								P				
								Q				
								R				
								S				
								T				

OPTIMA 5300DV #4 (DUAL VIEW) ICSAB STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot #	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
Int. A Sol'n	m5280037I	Multi	25	500	Multi	5 % HCl	DCB 4/8/14	A	m5280036S	m5280036X	10/8/14	—
AL		5000			250	2%HNO3	DCB 4/25/14	B	m5280036S	m5280036X	10/25/14	—
CA		5000			250			C				
FE		2000			100			D				
MG		5000			250			E				
Int. B Sol'n	m5280036Z	Multi	5		Multi			F				
AG		20			0.200			G				
BA		50			0.500			H				
BE		50			0.500			I				
CD		100			1.00			J				
CO		50			0.500			K				
CR		50			0.500			L				
CU		50			0.500			M				
MN		50			0.500			N				
NI		100			1.00			O				
PB		5			0.0500			P				
V		50			0.500			Q				
ZN		100			1.00			R				
AS		10			0.100			S				
SB		60			0.600			T				
SE		5			0.0500			U				
TL		10			0.100			V				
Single Element MO	m5280035B	1000	5		10			W				

OPTIMA 3/4 INTERNAL STANDARD (ADDED ON-LINE)

Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix
Y	m52800334	10000	2.0	2000	10.0	5 % HCl 2%HNO3
CS	m52800330	10000	2.0		10.0	

Analyst/ Date	Letter ID	Nitric Acid Lot #	Hydro-chloric Acid Lot #	Expiration Date	Pipet ID
DCB 3/25/14	A	m52800365	m52800350	9/25/14	m26
DCB 3/25/14	B	m52800365	m52800350	9/25/14	m26
DCB 3/27/14	C	m52800365	m52800350	9/27/14	m26
DCB 3/28/14	D	m52800365	m52800350	9/28/14	m26
DCB 4/2/14	E	M52800365	M52800350	10/2/14	M26
DCB 4/3/14	F	m52800365	m52800350	10/3/14	m26
DCB 4/8/14	G	m52800365	m52800350	10/8/14	m26
DCB 4/9/14	H	m52800365	m52800364	10/9/14	m26
DCB 4/11/14	I	m52800365	m52800364	10/11/14	m26
TC 4/16/14	J	m52800365	m52800364	10/16/14	m26
DCB 4/17/14	K	m52800365	m52800364	10/17/14	m26
DCB 4/22/14	L	m52800365	m52800364	10/22/14	m26
DCB 4/23/14	M	m52800365	m52800364	10/23/14	m26
DCB 4/27/14	N	m52800365	m52800364	10/27/14	m26
DCB 4/28/14	O	m52800365	m52800364	10/28/14	m26
DCB 5/2/14	P	m52800365	m52800364	11/2/14	m26
DCB 5/5/14	Q	m52800365	m52800364	11/5/14	m26
DCB 5/9/14	R	m52800365	m52800364	11/9/14	m26
DCB 5/12/14	S	m52800365	m52800364	11/12/14	m26
DCB 5/15/14	T	m52800365	m52800364	11/15/14	m26
	V				

ALS Environmental

GENERAL CHEMISTRY DATA

ALS Environmental - Rochester, NY
1565 Jefferson Rd, Bldg. 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1415
Sample Matrix:	Water	**Date Received:**	5/14/14
Sample Name:	SW-B		
Lab Code:	R1403523-010	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/14/14 12:14	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
Sample Name:	13D		
Lab Code:	R1403523-022	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/15/14 09:40	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14

Sample Name: M-27D
Lab Code: R1403523-023

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/15/14 09:43	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
Sample Name:	DUP-2		
Lab Code:	R1403523-026	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/15/14 09:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1403523-MB1	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/14/14 12:12	

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: R1403523-MB2

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	NA	5/15/14 09:38	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14
Date Received: 5/14/14
Date Analyzed: 5/14/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: SW-B
Lab Code: R1403523-010

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	Sample Result	SW-BDUP Duplicate Sample R1403523-010DUP Result	Average	RPD	RPD Limit
Chromium, Hexavalent	7196A	0.010	0.010 U	0.010 U	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14
Date Received: 5/14/14
Date Analyzed: 5/14/14

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SW-B
Lab Code: R1403523-010

Units: mg/L
Basis: NA

Analytical Method: 7196A

SW-BMS
Matrix Spike
R1403523-010MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	ND	0.104	0.100	104	85 - 115

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/15/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 13D
Lab Code: R1403523-022

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	Sample Result	13DDUP Duplicate Sample R1403523-022DUP Result	Average	RPD	RPD Limit
Chromium, Hexavalent	7196A	0.010	0.010 U	0.010 U	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/15/14

Matrix Spike Summary
General Chemistry Parameters

Sample Name: 13D
Lab Code: R1403523-022

Units: mg/L
Basis: NA

Analytical Method: 7196A

13DMS
Matrix Spike
R1403523-022MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	ND	0.104	0.100	104	85 - 115

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/14/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1403523-LCS1 Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	7196A	0.102	0.100	102	82 - 121

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Analyzed: 5/15/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1403523-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	7196A	0.0991	0.100	99	82 - 121

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523

Continuing Calibration Verification (CCV) Summary
Chromium, Hexavalent

Analytical Method: 7196A

Units: mg/L

	Analysis Lot	Lab Code	Date Analyzed	True Value	Measured Value	Percent Recovery	Acceptance Limits
CCV1	392666	RQ1405128-01	5/14/14 12:11	0.250	0.250	100	90 - 110
CCV2	392666	RQ1405128-07	5/14/14 12:24	0.250	0.242	97	90 - 110
CCV3	392666	RQ1405128-11	5/14/14 12:33	0.250	0.244	98	90 - 110
CCV4	392924	RQ1405207-01	5/15/14 09:37	0.250	0.242	97	90 - 110
CCV5	392924	RQ1405207-07	5/15/14 09:48	0.250	0.244	97	90 - 110

Client: CB&I
Project: GE MRFA/151492.01

Service Request: R1403523

Continuing Calibration Blank (CCB) Summary
Chromium, Hexavalent

Analytical Method: 7196A

Units: mg/L

	Analysis Lot	Lab Code	Date Analyzed	MRL	Result	Q
CCB1	392666	RQ1405128-02	5/14/14 12:12	0.010	0.010	U
CCB2	392666	RQ1405128-08	5/14/14 12:26	0.010	0.010	U
CCB3	392666	RQ1405128-12	5/14/14 12:35	0.010	0.010	U
CCB4	392924	RQ1405207-02	5/15/14 09:38	0.010	0.010	U
CCB5	392924	RQ1405207-08	5/15/14 09:49	0.010	0.010	U

Analytical Results Summary

Instrument Name: R-FIA-05 **Analyst:** NMUEHLEISEN **Analysis Lot:** 392666 **Method/Testcode:** 7196A/Cr6

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1405128-01	Chromium, Hexavalent	CCV		Water	0.25 mg/L	10 mL	0.250 mg/L	1					5/14/14 12:11:30	N	IV
RQ1405128-02	Chromium, Hexavalent	CCB		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:12:37	N	IV
RQ1405128-03	Chromium, Hexavalent	MB		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:12:37	N	IV
RQ1405128-04	Chromium, Hexavalent	LCS		Water	0.10 mg/L	10 mL	0.102 mg/L	1	0.004	0.010	102		5/14/14 12:13:44	N	IV
R1403523-010	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:14:51	N	IV
RQ1405128-05	Chromium, Hexavalent	DUP	R1403523-010	Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010		NC	5/14/14 12:15:58	N	IV
RQ1405128-06	Chromium, Hexavalent	MS	R1403523-010	Water	0.10 mg/L	10 mL	0.104 mg/L	1	0.004	0.010	104		5/14/14 12:17:05	N	IV
R1403528-001	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:18:12	N	IV
R1403528-002	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:19:19	N	IV
R1403528-003	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:20:26	N	IV
R1403528-004	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:21:32	N	IV
R1403528-005	Chromium, Hexavalent	N/A		Water	-0.04 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:22:39	N	IV
R1403528-006	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:23:47	N	IV
RQ1405128-07	Chromium, Hexavalent	CCV		Water	0.24 mg/L	10 mL	0.242 mg/L	1					5/14/14 12:24:55	N	IV
RQ1405128-08	Chromium, Hexavalent	CCB		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:26:03	N	IV
R1403528-008	Chromium, Hexavalent	N/A		Water	0.01 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:27:11	Y	IV
RQ1405128-09	Chromium, Hexavalent	DUP	R1403528-008	Water	0.00 mg/L	10 mL	0.004 mg/L J	1	0.004	0.010		NC	5/14/14 12:28:18	N	IV
RQ1405128-10	Chromium, Hexavalent	MS	R1403528-008	Water	0.03 mg/L	10 mL	0.027 mg/L	1	0.004	0.010	27*		5/14/14 12:29:26	N	IV
R1403528-007	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:30:33	N	IV
R1403528-009	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:31:40	N	IV
R1403528-010	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:32:47	N	IV
RQ1405128-11	Chromium, Hexavalent	CCV		Water	0.24 mg/L	10 mL	0.244 mg/L	1					5/14/14 12:33:54	N	IV
RQ1405128-12	Chromium, Hexavalent	CCB		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/14/14 12:35:01	N	IV

2 - Copies
R-3523
R-3528

Reviewed & Approved
By: _____
Date: 5/15/14

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Author: Nicole Muehleisen

Date : 5/14/2014

Original Run Filename: OM_5-14-2014_11-55-14AM.OMN Created: 5/14/2014 11:55:14 AM
Original Run Author's Signature: [Nicole Muehleisen]
Current Run Filename: OM_5-14-2014_11-55-14AM.OMN Last Modified: 5/14/2014 12:36:53 PM
Current Run Author's Signature: [Nicole Muehleisen]
Description: 10-124-13-1-A

Sample	Cup No.	Channel 2 CR+6 7196A/SM3500-Cr QC8500 Conc. (mg/L)	Area (V.s)	Detection Time	MDF
STD 0.500	S1	0.50000	9.98163	5/14/2014@11:56:20 AM	
STD 0.200	S2	0.20000	4.03182	5/14/2014@11:57:26 AM	
STD 0.100	S3	0.10000	2.02559	5/14/2014@11:58:33 AM	
STD 0.050	S4	0.05000	0.97544	5/14/2014@11:59:40 AM	
STD 0.020	S5	0.02000	0.41262	5/14/2014@12:00:48 PM	
STD 0.010	S6	0.01000	0.16895	5/14/2014@12:01:54 PM	
STD 0.005	S7	0.00500	0.10748	5/14/2014@12:03:00 PM	
STD 0.000	S8	0.00000	0.00812	5/14/2014@12:04:07 PM	
DQM Test: Minimum Correlation Coefficient					
	Result:	0.99998 > 0.99700			
	Message	Pass			
	Action				
ICV TV= 0.25	1	0.24932	4.98618	5/14/2014@12:06:59 PM	
	Calibration:	Table/Fig. : 1			
ICB	2	0.00089	0.02060	5/14/2014@12:08:07 PM	
CRDL - 0.010	3	0.00908	0.18435	5/14/2014@12:09:15 PM	
CRDL - 0.005	4	0.00600	0.12275	5/14/2014@12:10:23 PM	
CCV	5	0.24975	4.99461	5/14/2014@12:11:30 PM	
CCB	6	0.00132	0.02931	5/14/2014@12:12:37 PM	
LCS TV= 0.100	7	0.10217	2.04504	5/14/2014@12:13:44 PM	
1403523-010 SW-B	8	0.00404	0.08356	5/14/2014@12:14:51 PM	
SW-B DUP	9	0.00310	0.06492	5/14/2014@12:15:58 PM	
SW-B SPK	10	0.10369	2.07533	5/14/2014@12:17:05 PM	
403528-001 MW-101D	11	0.01426	0.28788	5/14/2014@12:18:12 PM	
403528-002 MW-102S	12	0.02337	0.46988	5/14/2014@12:19:19 PM	
403528-003 MW-103S	13	0.02218	0.44617	5/14/2014@12:20:26 PM	
403528-004 MW-104S	14	0.01742	0.35110	5/14/2014@12:21:32 PM	
1403528-005 MW-104D	15	0.03302	0.66286	5/14/2014@12:22:39 PM	
403528-006 BLIND DUP	16	0.01334	0.26940	5/14/2014@12:23:47 PM	
CCV	17	0.24225	4.84478	5/14/2014@12:24:55 PM	
CCB	18	0.00036	0.01002	5/14/2014@12:26:03 PM	
1403528-008 MW-106D	19	0.12039	2.40917	5/14/2014@12:27:11 PM	
MW-106D DUP	20	0.11874	2.37609	5/14/2014@12:28:18 PM	
MW-106D SPK	21	0.14134	2.82790	5/14/2014@12:29:26 PM	
403528-007 MW-106S	22	0.01227	0.24813	5/14/2014@12:30:33 PM	
403528-009 SW-2	23	0.00110	0.02493	5/14/2014@12:31:40 PM	
403528-010 SW-3	24	0.00093	0.02138	5/14/2014@12:32:47 PM	
CCV	25	0.24427	4.88524	5/14/2014@12:33:54 PM	
CCB	26	0.00105	0.02380	5/14/2014@12:35:01 PM	

0.01426 - 0.01358 = TV 0.00068
0.02337 - 0.02364 = TV -0.00027
0.02218 - 0.02159 = TV 0.00059
0.01742 - 0.01634 = TV 0.00108
0.03302 - 0.03740 = TV -0.00438
0.01334 - 0.01606 = TV -0.00272

0.12039 - 0.11434 = TV 0.00605
+Spike failed - Witnessed by Lori D.
0.01227 - 0.01184 = TV 0.00043

Analyte Properties Table for : OM_5-14-2014_11-55-14AM.OMN

Matrix Match run @ 12:48

Property	Channel 2 CR+6 7196A/SM3500-Cr QC8500
Concentration Units	mg/L
Calibration Fit Type	First Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	None
Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-124-13-1-A
Chemistry	Direct/Bipolar
Calibration by Height	No
Inject to Peak Start	16

NM
5/14/14
Ol' Blue
Harry

1060 DUP 0.11874 - 0.11434 = TV 0.0044
1060 SPK 0.14134 - 0.11434 = TV 0.027

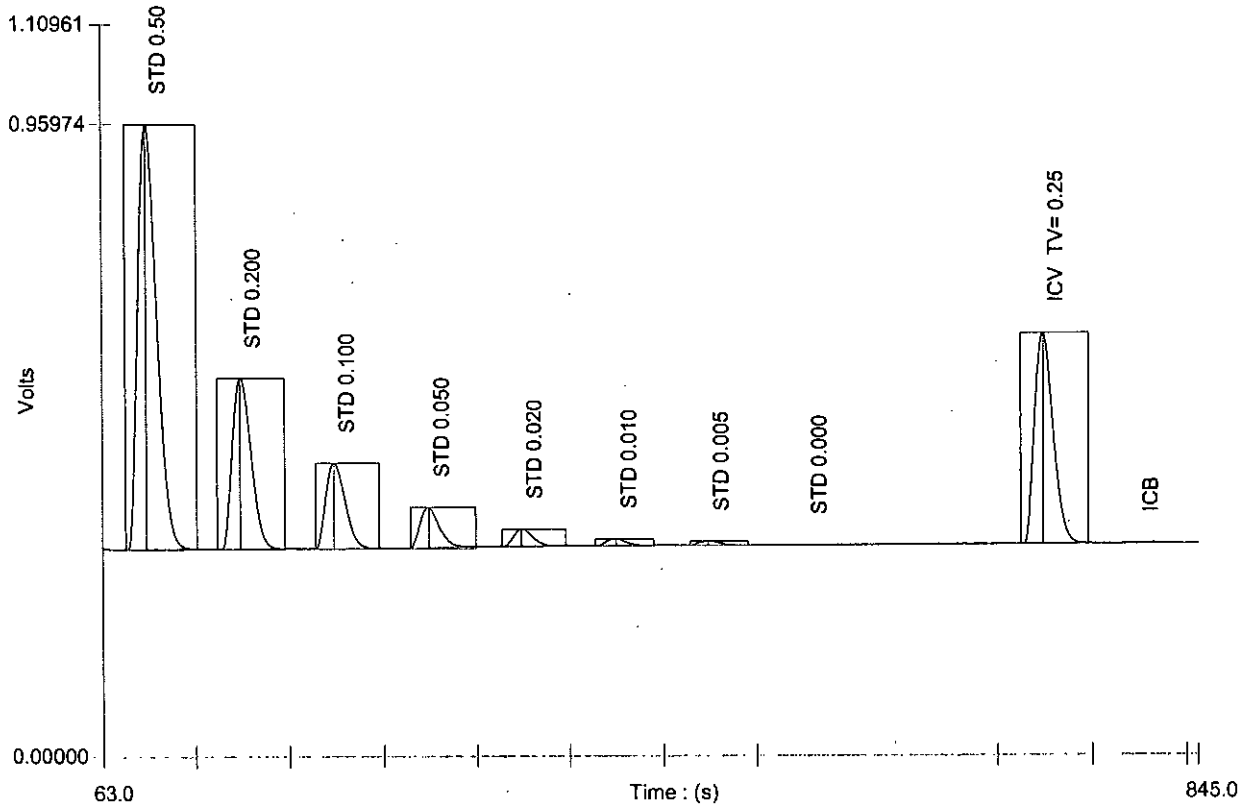
00733

Author: Nicole Muehleisen

Date : 5/14/2014

Peak Base Width	53

Channel 2 - Set: 1 / 4

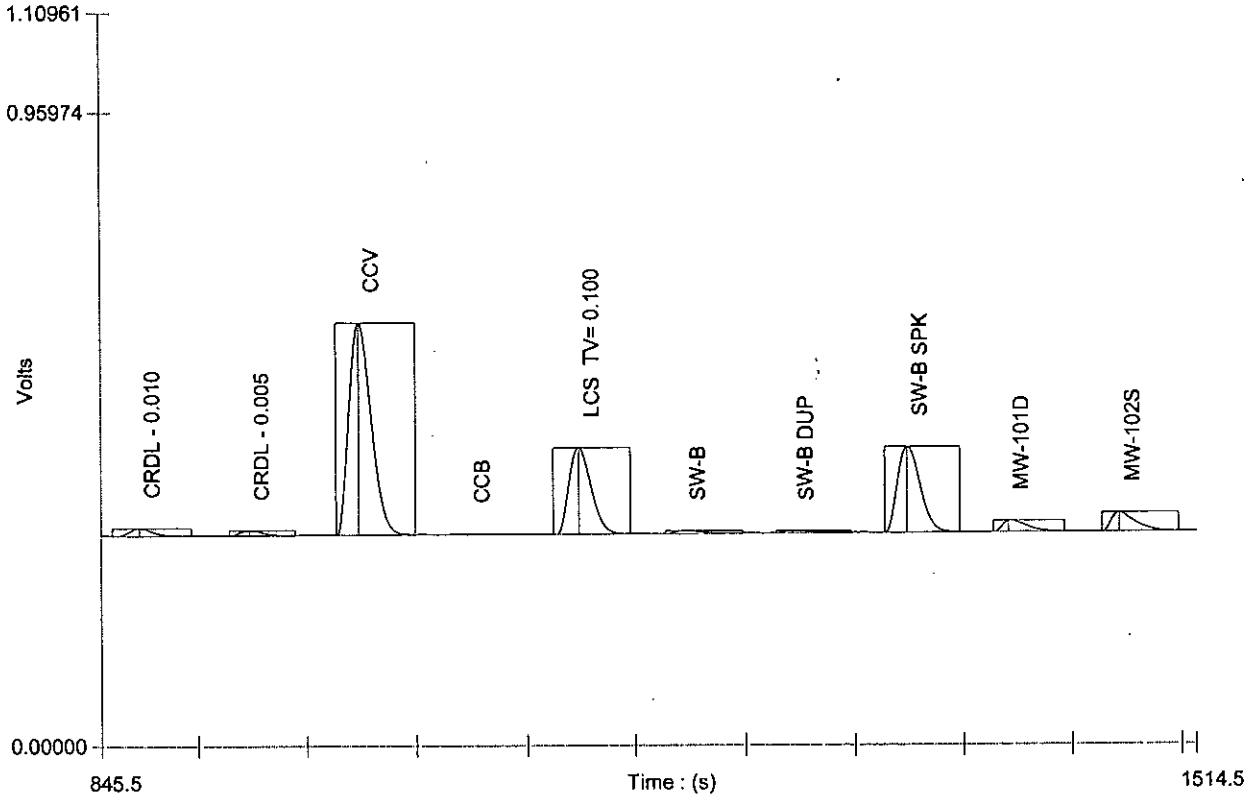


00734

Author: Nicole Muehleisen

Date : 5/14/2014

Channel 2 - Set: 2 / 4

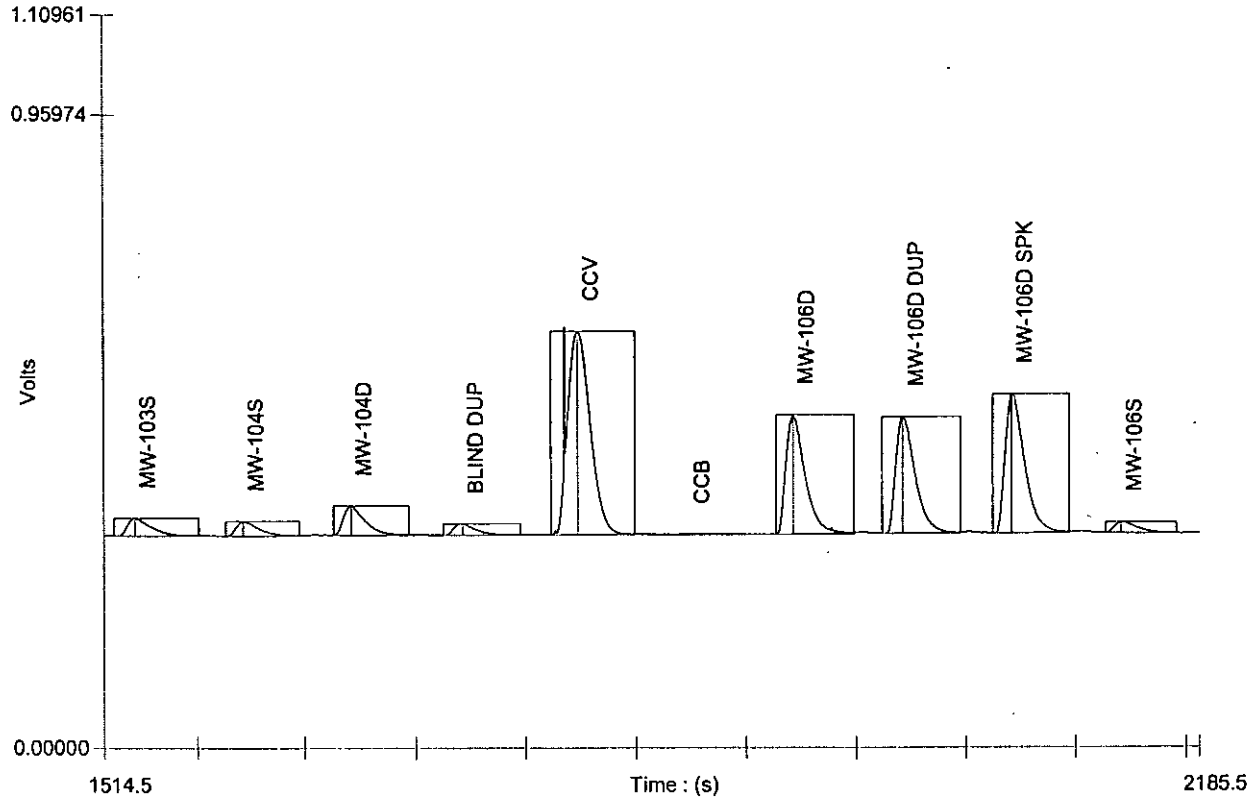


00735

Author: Nicole Muehleisen

Date : 5/14/2014

Channel 2 - Set: 3 / 4



00736

Author: Nicole Muehleisen

Date : 5/14/2014

Channel 2 - Set: 4 / 4

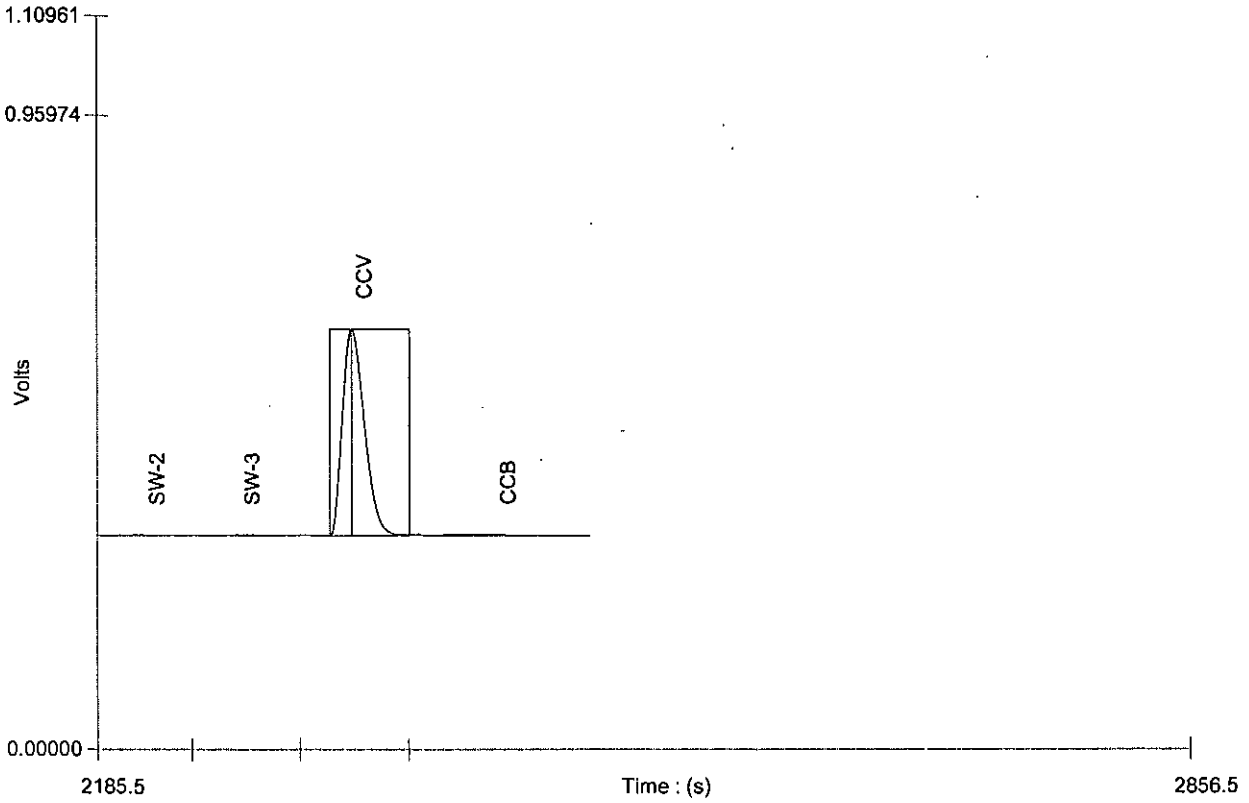


Table : 1 (CR+6 7196A/SM3500-Cr QC8500)

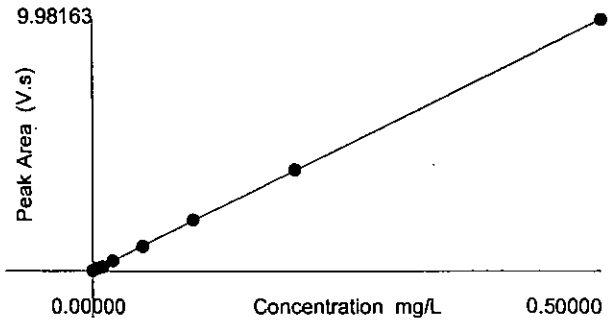
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.50000	1	9.98163	0.64449	0.0	0.1	0.49926	5/14/2014	11:56:20 AM
2	0.20000	1	4.03182	0.25984	0.0	-0.8	0.20158	5/14/2014	11:57:26 AM
3	0.10000	1	2.02559	0.13025	0.0	-1.2	0.10120	5/14/2014	11:58:33 AM
4	0.05000	1	0.97544	0.06194	0.0	2.7	0.04866	5/14/2014	11:59:40 AM
5	0.02000	1	0.41262	0.02614	0.0	-2.5	0.02050	5/14/2014	12:00:48 PM
6	0.01000	1	0.16895	0.01066	0.0	16.7	0.00831	5/14/2014	12:01:54 PM
7	0.00500	1	0.10748	0.00639	0.0	-4.5	0.00523	5/14/2014	12:03:00 PM
8	0.00000	1	0.00812	0.00063			0.00026	5/14/2014	12:04:07 PM

00737

Author: Nicole Muehleisen

Date : 5/14/2014

Figure : 1 (CR+6 7196A/SM3500-Cr QC8500)



Area = 19.98634 * Conc + 0.00297
Conc = 0.05003 * Area - 0.00014
Correlation Coefficient (r) = 0.99998

Weighting : None

00738

Creator : Nicole Muehleisen
Creation Date : 5/14/2014 11:55:14 AM
Last Modified : 5/14/2014 12:36:53 PM
Description :

Cup	Sample ID	MDF	Weight	Sample Type	Comments
1	MW-101D MTX MCH			Unknown	
2	MW-102S MTX MCH			Unknown	
3	MW-103S MTX MCH			Unknown	
4	MW-104S MTX MCH			Unknown	
5	MW-104D MTX MCH			Unknown	
6	BLIND DUP MTX MCH			Unknown	
7	MW-106D MTX MCH			Unknown	
8	MW-106S MTX MCH			Unknown	

Analyte Table

CR+6 7196A/SM3500-
(mg/L)

00739

Creator : GABRIELA NITA-JOUPPI
Creation Date : 6/19/2013 8:20:55 AM
Last Modified : 5/5/2014 1:14:13 PM
Description :

Cup	Sample ID	MDF	Weight	Sample Type	Comments
S1	STD 0.500			Calibration Standard	
S2	STD 0.200			Calibration Standard	
S3	STD 0.100			Calibration Standard	
S4	STD 0.050			Calibration Standard	
S5	STD 0.020			Calibration Standard	
S6	STD 0.010			Calibration Standard	
S7	STD 0.005			Calibration Standard	
S8	STD 0.000			Calibration Standard	
1	ICV TV= 0.25			Unknown	
2	ICB			Unknown	
3	CRDL - 0.010			Unknown	
4	CRDL - 0.005			Unknown	
5	CCV			Unknown	
6	CCB			Unknown	
7	LCS TV= 0.100			Unknown	
8	SW-B			Unknown	
9	SW-B DUP			Unknown	
10	SW-B SPK			Unknown	Witnessed by Lori D
11	MW-101D			Unknown	
12	MW-102S			Unknown	
13	MW-103S			Unknown	
14	MW-104S			Unknown	
15	MW-104D			Unknown	
16	BLIND DUP			Unknown	
17	CCV			Unknown	
18	CCB			Unknown	
19	MW-106D			Unknown	
20	MW-106D DUP			Unknown	
21	MW-106D SPK			Unknown	Witnessed by Lori D
22	MW-106S			Unknown	
23	SW-2			Unknown	
24	SW-3			Unknown	
25	CCV			Unknown	
26	CCB			Unknown	

00740

Analyte Table	CR+6 7196A/SM3500-
	(mg/L)
STD 0.500	0.50000
STD 0.200	0.20000
STD 0.100	0.10000
STD 0.050	0.05000
STD 0.020	0.02000
STD 0.010	0.01000
STD 0.005	0.00500
STD 0.000	0.00000

Author: Nicole Muehleisen

Date : 5/14/2014

Original Run Filename: OM_5-14-2014_12-48-03PM.OMN Created: 5/14/2014 12:48:03 PM
Original Run Author's Signature: [Nicole Muehleisen]
Current Run Filename: OM_5-14-2014_12-48-03PM.OMN Last Modified: 5/14/2014 12:58:49 PM
Current Run Author's Signature: [Nicole Muehleisen]
Description: 10-124-13-1-A

Sample	Cup No.	Channel 2 CR+6 7196A/SM3500-Cr QC8500		Detection Time	MDF
		Conc. (mg/L)	Area (V.s)		
MW-101D MTX MCH	1	0.01358	0.27425	5/14/2014@12:49:06 PM	
Calibration:		Table/Fig. : 1			
MW-102S MTX MCH	2	0.02364	0.47544	5/14/2014@12:50:14 PM	
MW-103S MTX MCH	3	0.02159	0.43437	5/14/2014@12:51:21 PM	
MW-104S MTX MCH	4	0.01634	0.32944	5/14/2014@12:52:29 PM	
MW-104D MTX MCH	5	0.03740	0.75040	5/14/2014@12:53:37 PM	
BLIND DUP MTX MCH	6	0.01606	0.32384	5/14/2014@12:54:44 PM	
MW-106D MTX MCH	7	0.11434	2.28823	5/14/2014@12:55:51 PM	
MW-106S MTX MCH	8	0.01184	0.23945	5/14/2014@12:56:58 PM	

Analyte Properties Table for : OM_5-14-2014_12-48-03PM.OMN

Property	Channel 2 CR+6 7196A/SM3500-Cr QC8500
Concentration Units	mg/L
Calibration Fit Type	First Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	None
Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-124-13-1-A
Chemistry	Direct/Bipolar
Calibration by Height	No
Inject to Peak Start	16
Peak Base Width	53

Author: Nicole Muehleisen

Date : 5/14/2014

Channel 2 - Set: 1 / 1

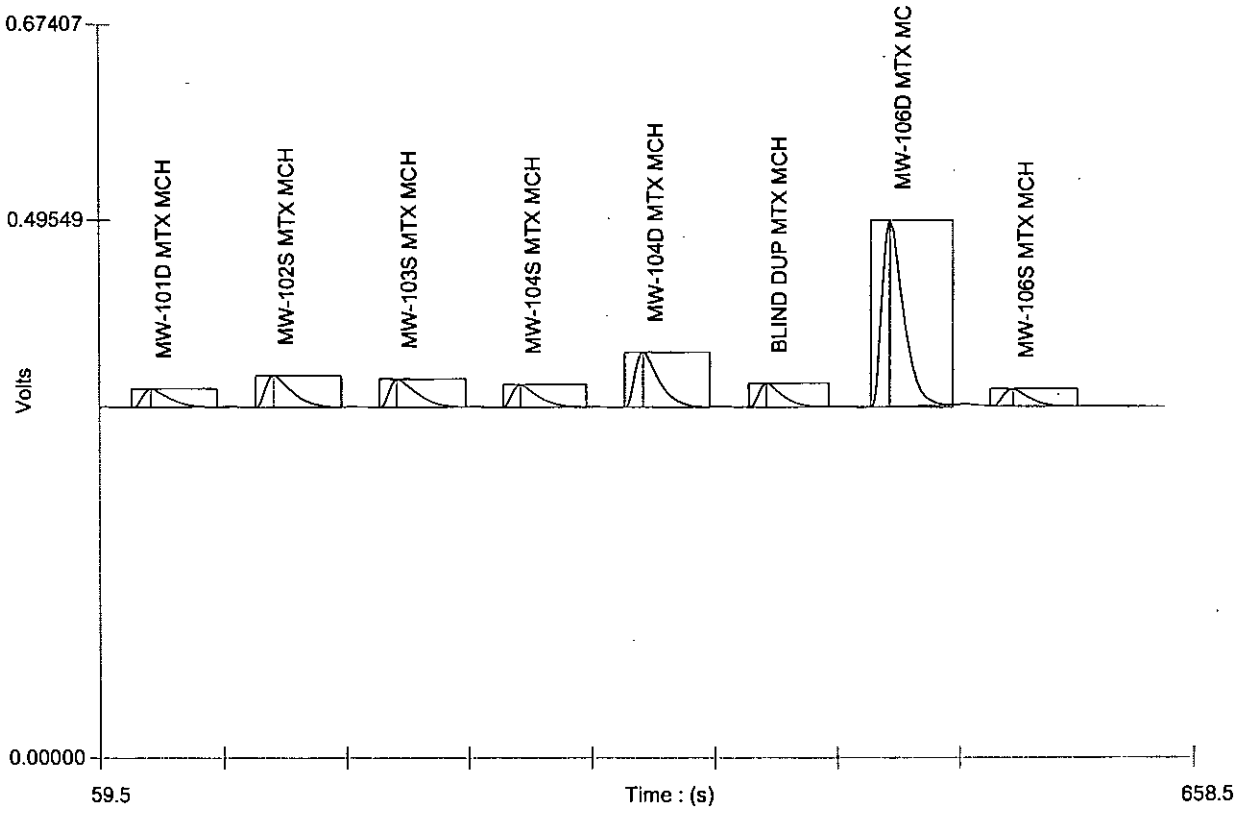


Table : 1 (CR+6 7196A/SM3500-Cr QC8500)

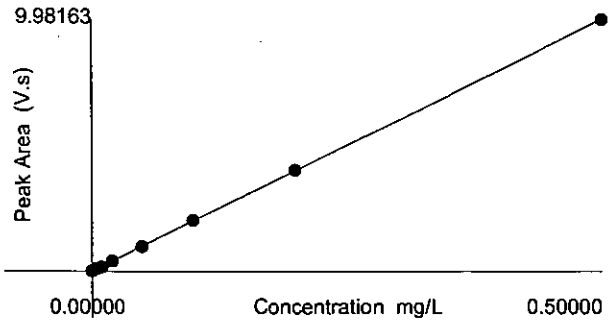
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.50000	1	9.98163	0.64449	0.0	0.1	0.49926	5/14/2014	11:56:20 AM
2	0.20000	1	4.03182	0.25984	0.0	-0.8	0.20158	5/14/2014	11:57:26 AM
3	0.10000	1	2.02559	0.13025	0.0	-1.2	0.10120	5/14/2014	11:58:33 AM
4	0.05000	1	0.97544	0.06194	0.0	2.7	0.04866	5/14/2014	11:59:40 AM
5	0.02000	1	0.41262	0.02614	0.0	-2.5	0.02050	5/14/2014	12:00:48 PM
6	0.01000	1	0.16895	0.01066	0.0	16.7	0.00831	5/14/2014	12:01:54 PM
7	0.00500	1	0.10748	0.00639	0.0	-4.5	0.00523	5/14/2014	12:03:00 PM
8	0.00000	1	0.00812	0.00063			0.00026	5/14/2014	12:04:07 PM

00743

Author: N

Date : 5/1

Figure : 1 (CR+6 7196A/SM3500-Cr QC8500)



00744

Columbia Analytical Services
Now part of the ALS Group
1565 Jefferson Rd., Rochester NY 14623

General Chemistry Analytical Run Cover Sheet

Analyst: NM Date: 5/14/14

Analysis: Hexavalent Chromium, waters Instrument: Lachat

Quality Control:

	Same as Log#, Date,	Stocks Receipt Log#, Date,	Stock Sol (mLs)	Stock Sol (mg/L)	Final Vol (mLs)	True Value (mg/L)
a) Standards Prep.:	WC85129C, 3/26/08	WC112232F, 3/18/13				
b) ICV Preparation:	WC92067H, 8/20/09	WC112232G, 3/18/13	0.25	10	10	0.25
c) LCS Preparation:	WC85129F, 3/26/08	WC112232F, 3/18/13	0.1	10	10	0.10
d) Matrix Spike Prep.:	WC85129F, 3/26/08	WC112232F, 3/18/13	0.1	10	10	0.10

Instrument log filled in? (Y) (N)

Packages: Copy and attach Standards Preparation

Comments:

The color blank for Lachat is subtracted from the sample result only in instances where the sample is greater than 0.010 mg/L and the color blank is greater than 0.005 mg/L.

Konelab does not require a separate color blank analysis.

p:\l\1\greg\forms\cover.cr6

(A) [illegible] Since TV=0.15 ppm
add 0.15 mls 10 ppm Reference Stock (…) to
9.85 mls Distilled Deionized water [illegible]

1/25/09 (B) [illegible] Stock TV=0.25 ppm
add 0.25 mls 10 ppm Standards Stock (…) to
10 mls Sample (or Distilled Deionized Water) (fresh [illegible])

Pre-Calibration
1/26 (C) Standards Lin Range 0.50-0.01 (fresh [illegible])

Conc	mls 10 ppm Std	mls DI
0.50	0.50	9.50
0.20	0.20	9.80
0.10	0.10	9.90
0.05	1/10 dilution of 0.50 Std	
0.02	1/10 dilution of 0.20 Std	
0.01	1/10 dilution of 0.10 Std	
0.005	1/10 dilution of 0.05 Std	
0.000	0.00	10.00

(D) * 10 ppm Std Stock is prepared by doing 2
1/10 dilutions of the 1000 ppm Std Stock (WC16254G)

(E) ICV/CCV TV=0.30 (fresh [illegible])
add 0.30 mls of 10 ppm Ref. Stock ** to 9.70 mls
DI

(F) LCS/MS TV=0.10 (fresh [illegible])
add 0.10 mls of 10 ppm Std Stock (WC95127D) to
10 mls DI or Sample

(G) ** 10 ppm Reference Stock
Perform 2 1/10 dilutions of the 1000 ppm
Reference Stock (WC15083G)

'LE PROJECT

ntinued from page

8/20/09 EW (A) TDS Reference
0.9153g NaCl (WC85215H) diluted volumetrically to 1 ~~Hter~~ liter w/ DI. Store in plastic bottle @ 4°C
TV = 915 mg/L Exp: 8/20/10 (11634)

8/20/09 NM (B) Color Reagent - TKN
- same as WC92059G. Exp 1 month, 9/20/09.

(C) NH3 Carrier/Diluent
To a 2 liter plastic bottle add:
- 998g UPDI
- 3.68g conc. instra-analyzed H_2SO_4 (WC9206 4B)
· Prepared solution x4.

8/26/09 Mp As of 8/18/09 for Konelab:

(D) ICV/CCV TCN TV = 0.30
0.30 mls 10ppm TCN Ref Stock (WCES134C) + ~~9.75~~ 9.50 mls 0.25N NaOH (WCES134A)
conc 8/20/09

(E) ICV/CCV OPO_4-P TV = ~~0.45~~ conc 8/20/09 0.015
0.25 mls 1.80ppm OPO_4 Ref Stock (WCES130G) + 9.75 mls UPDI.

(F) ICV/CCV OPO_4 TV = ~~0.49~~ 0.36 conc 8/20/09
~~0.25ml~~ 0.20ml 18.0ppm OPO_4 Ref Stock (WCES130F) + ~~9.75~~ 9.80 mls UPDI.

(G) ICV/CCV NO_2 TV = 0.45
0.25ml 18.0 ppm NO_2 Ref Stock (1/10 dil of WCES135B) + 9.75mls UPDI
WC72007 Conc 8/20/09

(H) ICV/CCV Cr^{+6} TV = 0.25
0.25mls 10 ppm Cr^{+6} Ref STOCK (WCES129G) + 9.75 mls UPDI

(I) ICV/CCV NH_3 TV = 0.90
0.30mls 120 ppm NH_3 Reference Stock (1/10 dil of WCES257G) + 9.50 mls diluent (WC-12045D)

8/20/09 NMead (J) ICV/CCV TKN's (TV=4.00)
9.9mls PDMM + 0.1 mls 400 ppm Reference WORKING stock (WC04420C)

continued to page

SIGNATURE DATE

00747

DISCLOSED TO AND UNDERSTOOD BY DATE

TITLE PROJECT

Continued from page

3-18-13 ⓐ 10% H_3PO_4
Same as WC112155C Exp 1 year 3-18-14

3/15/13 ⓑ TRN Digest Reagent
To a 1L vol flask add 134g potassium sulfate (WC112228H) and 7.3g Cooper II sulfate (WC112053F) add ~ 600mL DI. Slowly add 134mL H_2SO_4 trace metal (WC112214G) let dissolve + cool. Bring to volume w/ DI. Store @ RT. Exp. 3/22/13

3/18/13 NM ⓒ Buffer - NH_3
~~Same as~~ WC112206G. Exp. 3/18/13 3/18/13 14

ⓓ NH_3 Carrier/Diluent
- same as WC112231A. Prepared solution x 3.

3/18/13 NM Received from VWR:
ⓔ (1) x 4L EDTA 0.010M, cat.# BDH3621-4, BDH lot # 21113622, CAS # 6381-92-6, 7732-18-5, Store @ RT. Exp. 5/30/14 per manufacturer # 55680

Received from Fisher:
ⓔ (1) x 500mL Chromium Reference Standard Solution, cat # SC192-500, Fisher lot # 125581, CAS #: 7778-50-9, 7732-18-5, store @ RT. Exp. 9/30/2014 per manufacturer # 55682

Received from Environmental Express:
ⓔ (1) x 250mL Cr+6 standard, cat. # HP100012-7, Environmental Express lot # 1215829, NO cas #'s listed Store @ RT Exp. 9/12/14 per manufacturer # 55683

Continued to page

SIGNATURE DATE

00748

DISCLOSED TO AND UNDERSTOOD BY DATE

11/25/13 BD — (A) 2% HCl Solution- Fe^{2+} soils conc.
In a 2L vol. flask, add 40mL, HCl (WC126026F) to ~1200mL UPDI Dilute to vol + mix thoroughly. Store in plastic @ 4°C. Exp 1 yr. 11/25/14.

11/26/13 NM — (B) Phosphate Buffer - TCN
-same as WC126100D. Exp. 1 month, 12/26/13.

11/26/13 NM — Received from VWR:
(C) (6) x 2.5L Hydrochloric Acid, cat# H613-16, MACRON lot# 28069, cas #'s 7732-18-5, 7647-01-0, Store @ RT. Exp. 11/13/14. per manufacturer. #64668
(D) (1) x 4L sulfuric Acid, 0.02N, cat# 5823-03, JTBaker lot #42171, cas #'s 7732-18-5, 7664-93-9, Store @ RT. Exp. 4/11/15 per manufacturer. #64669
(E) (1) x 2.5L Ammonium Hydroxide, cat # 9721-05, cas # 1336-21-6, JT Baker lot # 10967, Store @ RT. Exp. 7/17/17 per manufacturer. #64670
(F) (1) x 4L Sodium Hypochlorite Solution, cat # SS290-4, Fisher lot # 133038, cas #'s 7681-52-9, 7732-18-5, store @ RT. Exp. 4/2014 per manufacturer. #64671

11/26/13 NM — Received from HACH:
(G) (2) x 150 each COD HC Digestion tubes, 20-1500 ppm, cat. # 2125915, HACH lot # A3318, cas #'s 7783-35-9, 10294-26-5, 7664-93-9, 13530-68-2, store @ RT. Exp. 11/2018 per manufacturer #64672

11/26/13 NM — Received from Environmental Express:
(H) (1) x 250mLs Cr+6 standard, 1000 µg/mL, cat. # HP100012-7, lot # 1312101, cas #'s 7778-50-9, 7732-18-5 store @ RT Exp. 5/15/15 per manufacturer. #64667

Analytical Results Summary

Instrument Name: R-FIA-05 **Analyst:** NMUEHLEISEN **Analysis Lot:** 392924 **Method/Testcode:** 7196A/Cr6

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1405207-01	Chromium, Hexavalent	CCV		Water	0.24 mg/L	10 mL	0.242 mg/L	1					5/15/14 09:37:12	N	IV
RQ1405207-02	Chromium, Hexavalent	CCB		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/15/14 09:38:20	N	IV
RQ1405207-03	Chromium, Hexavalent	MB		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/15/14 09:38:20	N	IV
RQ1405207-04	Chromium, Hexavalent	LCS		Water	0.10 mg/L	10 mL	0.0991 mg/L	1	0.004	0.010	99		5/15/14 09:39:27	N	IV
R1403523-022	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/15/14 09:40:34	N	IV
RQ1405207-05	Chromium, Hexavalent	DUP	R1403523-022	Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010		NA	5/15/14 09:41:41	N	IV
RQ1405207-06	Chromium, Hexavalent	MS	R1403523-022	Water	0.10 mg/L	10 mL	0.104 mg/L	1	0.004	0.010	104		5/15/14 09:42:48	N	IV
R1403523-023	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/15/14 09:43:54	Y	IV
R1403523-026	Chromium, Hexavalent	N/A		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/15/14 09:47:30	N	IV
RQ1405207-07	Chromium, Hexavalent	CCV		Water	0.24 mg/L	10 mL	0.244 mg/L	1					5/15/14 09:48:42	N	IV
RQ1405207-08	Chromium, Hexavalent	CCB		Water	0.00 mg/L	10 mL	0.010 mg/L U	1	0.004	0.010			5/15/14 09:49:56	N	IV

1-Copy
R3523

Reviewed & Approved
By:
Date: 5/19/14

0520

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Author: Nicole Muehleisen

Date : 5/15/2014

Original Run Filename: OM_5-15-2014_09-21-04AM.OMN Created: 5/15/2014 9:21:04 AM
Original Run Author's Signature: [Nicole Muehleisen]
Current Run Filename: OM_5-15-2014_09-21-04AM.OMN Last Modified: 5/15/2014 9:51:51 AM
Current Run Author's Signature: [Nicole Muehleisen]
Description: 10-124-13-1-A

Sample	Cup No.	Channel 2 CR+6 7196A/SM3500-Cr QC8500 Conc. (mg/L)	Area (V.s)	Detection Time	MDF
STD 0.500	S1	0.50000	10.38452	5/15/2014@9:22:04 AM	
STD 0.200	S2	0.20000	4.16986	5/15/2014@9:23:10 AM	
STD 0.100	S3	0.10000	2.09663	5/15/2014@9:24:17 AM	
STD 0.050	S4	0.05000	1.07362	5/15/2014@9:25:24 AM	
STD 0.020	S5	0.02000	0.44500	5/15/2014@9:26:31 AM	
STD 0.010	S6	0.01000	0.21879	5/15/2014@9:27:37 AM	
STD 0.005	S7	0.00500	0.12525	5/15/2014@9:28:44 AM	
STD 0.000	S8	0.00000	0.00998	5/15/2014@9:29:50 AM	
DQM Test: Minimum Correlation Coefficient					
	Result:	1.00000 > 0.99700			
	Message	Pass			
	Action				
ICV TV= 0.25	1	0.24317	5.06301	5/15/2014@9:32:42 AM	
	Calibration:	Table/Fig. : 1			
ICB	2	-0.00035	0.01487	5/15/2014@9:33:50 AM	
CRDL - 0.010	3	0.00957	0.22057	5/15/2014@9:34:58 AM	
CRDL - 0.005	4	0.00483	0.12227	5/15/2014@9:36:05 AM	
CCV	5	0.24179	5.03438	5/15/2014@9:37:12 AM	
CCB	6	0.00010	0.02438	5/15/2014@9:38:20 AM	
LCS TV= 0.100	7	0.09914	2.07736	5/15/2014@9:39:27 AM	
1403523-022 13 D	8	0.01419	0.31635	5/15/2014@9:40:34 AM	
13 D DUP	9	0.01390	0.31026	5/15/2014@9:41:41 AM	
13 D SPK	10	0.11590	2.42488	5/15/2014@9:42:48 AM	
1403523-023 M-27 D	11	0.00086	0.03997	5/15/2014@9:43:54 AM	
M-27 D MS	12	0.00081	0.03909	5/15/2014@9:45:05 AM	
M-27 D MSD	13	0.00096	0.04210	5/15/2014@9:46:18 AM	
1403523-026 DUP-2	14	0.00102	0.04344	5/15/2014@9:47:30 AM	
CCV	15	0.24356	5.07120	5/15/2014@9:48:42 AM	
CCB	16	-0.00116	-0.00175	5/15/2014@9:49:56 AM	

0.01419 - 0.01226 = TV 0.00193
0.01390 - 0.01226 = TV 0.00164
0.11590 - 0.01226 = TV 0.10364

Analyte Properties Table for : OM_5-15-2014_09-21-04AM.OMN

Property	Channel 2 CR+6 7196A/SM3500-Cr QC8500
Concentration Units	mg/L
Calibration Fit Type	First Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	None
Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-124-13-1-A
Chemistry	Direct/Bipolar
Calibration by Height	No
Inject to Peak Start	16
Peak Base Width	53

Matrix Match run @ 10^{01} am

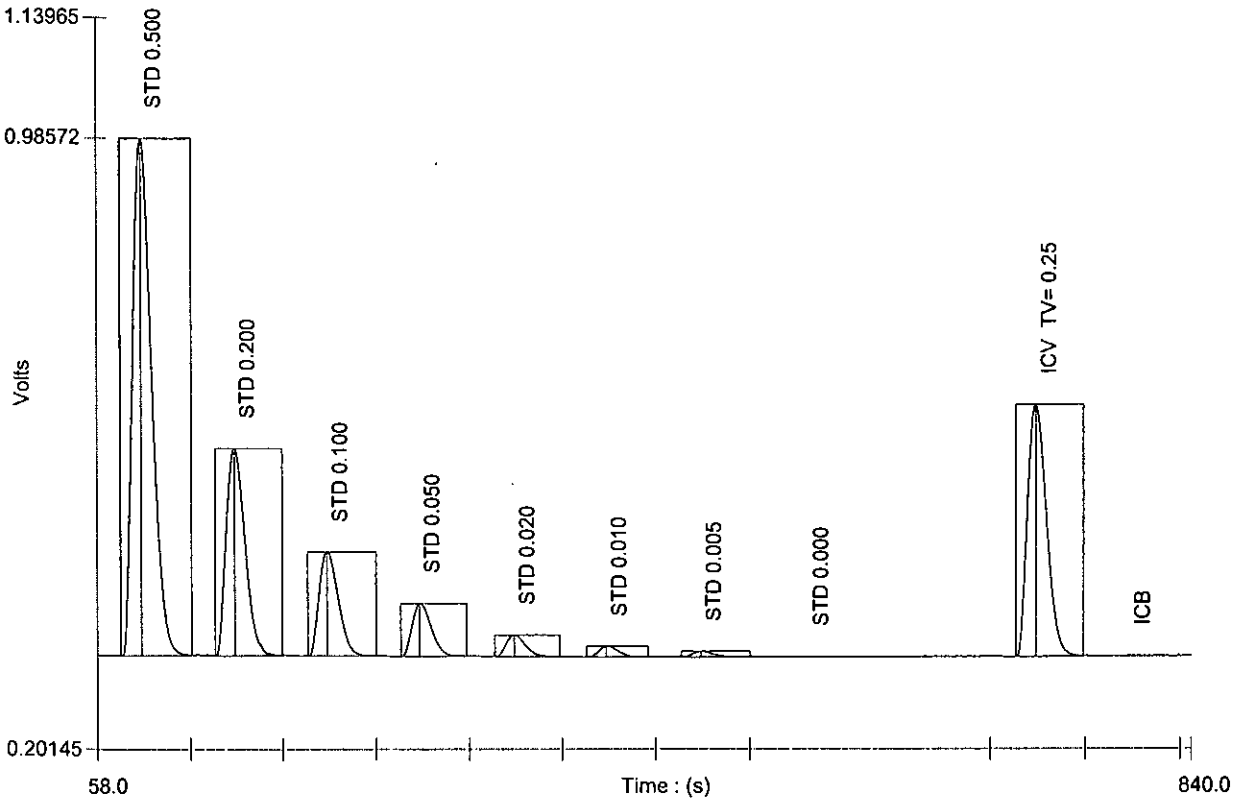
NM
5/15/14
Ol' Blue
Harry

00751

Author: Nicole Muehleisen

Date : 5/15/2014

Channel 2 - Set: 1 / 3

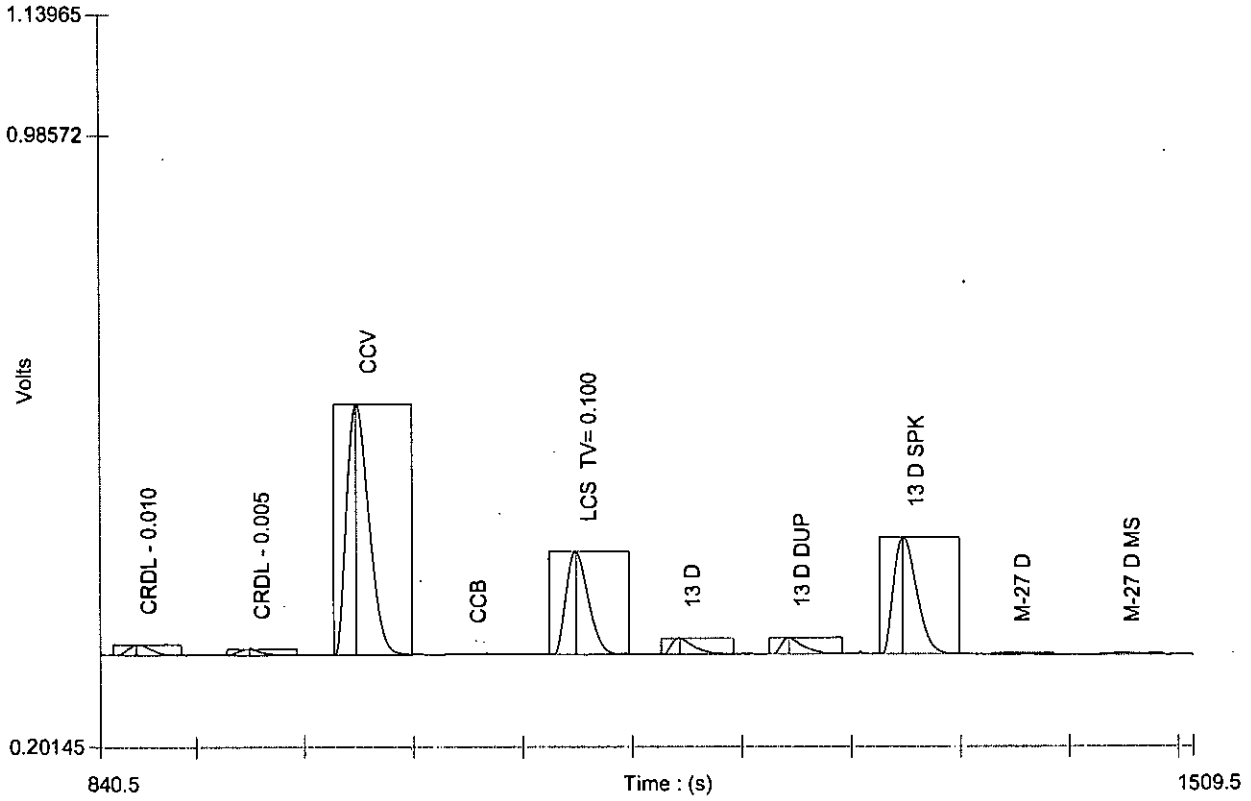


00752

Author: Nicole Muehleisen

Date : 5/15/2014

Channel 2 - Set: 2 / 3



00753

Author: Nicole Muehleisen

Date : 5/15/2014

Channel 2 - Set: 3 / 3

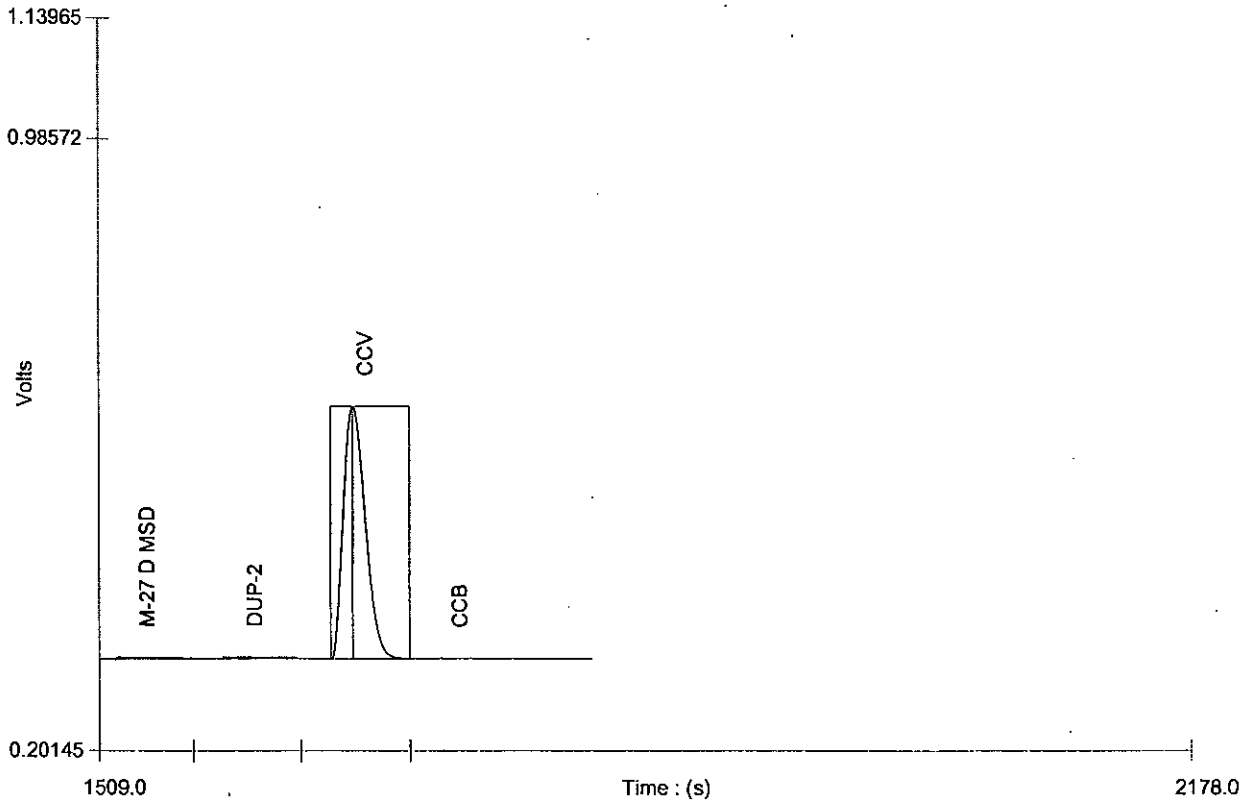


Table : 1 (CR+6 7196A/SM3500-Cr QC8500)

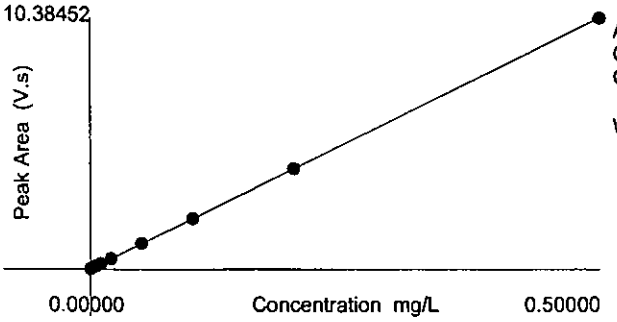
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.50000	1	10.38452	0.66327	0.0	0.0	0.49987	5/15/2014	9:22:04 AM
2	0.20000	1	4.16986	0.26655	0.0	0.0	0.20008	5/15/2014	9:23:10 AM
3	0.10000	1	2.09663	0.13386	0.0	-0.1	0.10007	5/15/2014	9:24:17 AM
4	0.05000	1	1.07362	0.06820	0.0	-1.4	0.05072	5/15/2014	9:25:24 AM
5	0.02000	1	0.44500	0.02789	0.0	-1.9	0.02039	5/15/2014	9:26:31 AM
6	0.01000	1	0.21879	0.01389	0.0	4.7	0.00948	5/15/2014	9:27:37 AM
7	0.00500	1	0.12525	0.00746	0.0	0.5	0.00497	5/15/2014	9:28:44 AM
8	0.00000	1	0.00998	0.00075			-0.00059	5/15/2014	9:29:50 AM

00754

Author: Nicole Muehleisen

Date : 5/15/2014

Figure : 1 (CR+6 7196A/SM3500-Cr QC8500)



Area = 20.72968 * Conc + 0.02223
Conc = 0.04824 * Area - 0.00107
Correlation Coefficient (r) = 1.00000

Weighting : None

00755

Creator : Nicole Muehleisen
Creation Date : 5/15/2014 9:21:04 AM
Last Modified : 5/15/2014 9:51:51 AM
Description :

Cup	Sample ID	MDF	Weight	Sample Type	Comments
1	13 D MTX MATCH			Unknown	

Analyte Table

CR+6 7196A/SM3500-
(mg/L)

00756

Author: Nicole Muehleisen

Date : 5/15/2014

Original Run Filename: OM_5-15-2014_10-01-18AM.OMN Created: 5/15/2014 10:01:18 AM
Original Run Author's Signature: [Nicole Muehleisen]
Current Run Filename: OM_5-15-2014_10-01-18AM.OMN Last Modified: 5/15/2014 10:04:15 AM
Current Run Author's Signature: [Nicole Muehleisen]
Description: 10-124-13-1-A

Sample	Cup No.	Channel 2 CR+6 7196A/SM3500-Cr QC8500		Detection Time	MDF
		Conc. (mg/L)	Area (V.s)		
13 D MTX MATCH	1	0.01226	0.27632	5/15/2014@10:02:20 AM	
Calibration:		Table/Fig. : 1			

Analyte Properties Table for : OM_5-15-2014_10-01-18AM.OMN

Property	Channel 2 CR+6 7196A/SM3500-Cr QC8500
Concentration Units	mg/L
Calibration Fit Type	First Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	None
Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-124-13-1-A
Chemistry	Direct/Bipolar
Calibration by Height	No
Inject to Peak Start	16
Peak Base Width	53

Author: Nicole Muehleisen

Date : 5/15/2014

Channel 2 - Set: 1 / 1

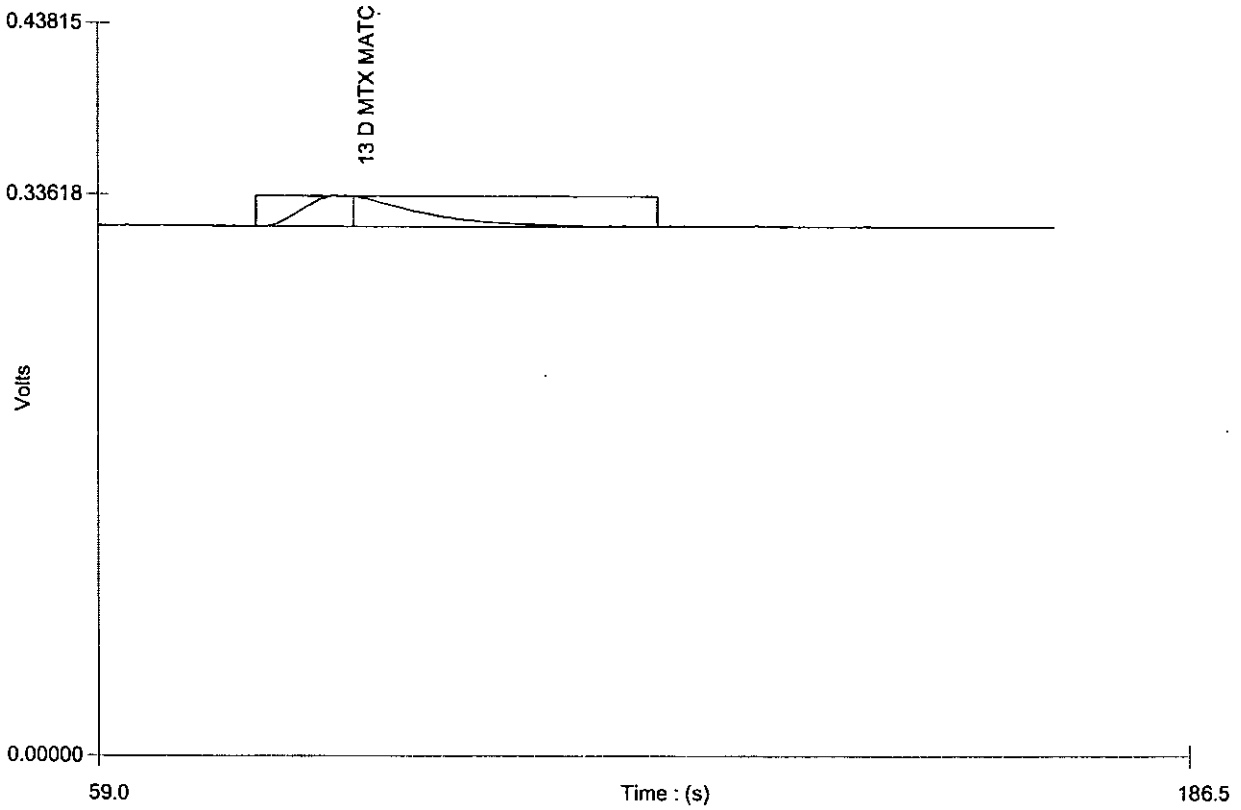


Table : 1 (CR+6 7196A/SM3500-Cr QC8500)

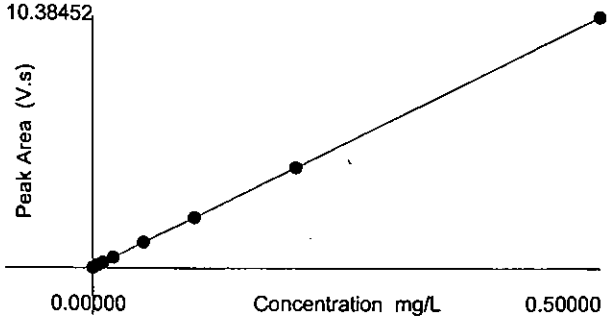
	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.50000	1	10.38452	0.66327	0.0	0.0	0.49987	5/15/2014	9:22:04 AM
2	0.20000	1	4.16986	0.26655	0.0	0.0	0.20008	5/15/2014	9:23:10 AM
3	0.10000	1	2.09663	0.13386	0.0	-0.1	0.10007	5/15/2014	9:24:17 AM
4	0.05000	1	1.07362	0.06820	0.0	-1.4	0.05072	5/15/2014	9:25:24 AM
5	0.02000	1	0.44500	0.02789	0.0	-1.9	0.02039	5/15/2014	9:26:31 AM
6	0.01000	1	0.21879	0.01389	0.0	4.7	0.00948	5/15/2014	9:27:37 AM
7	0.00500	1	0.12525	0.00746	0.0	0.5	0.00497	5/15/2014	9:28:44 AM
8	0.00000	1	0.00998	0.00075			-0.00059	5/15/2014	9:29:50 AM

00758

Author: Nicole Muehleisen

Date : 5/15/2014

Figure : 1 (CR+6 7196A/SM3500-Cr QC8500)



Area = 20.72968 * Conc + 0.02223
Conc = 0.04824 * Area - 0.00107
Correlation Coefficient (r) = 1.00000

Weighting : None

00759

Creator : GABRIELA NITA-JOUPPI
Creation Date : 6/19/2013 8:20:55 AM
Last Modified : 5/5/2014 1:14:13 PM
Description :

Cup	Sample ID	MDF	Weight	Sample Type	Comments
S1	STD 0.500			Calibration Standard	
S2	STD 0.200			Calibration Standard	
S3	STD 0.100			Calibration Standard	
S4	STD 0.050			Calibration Standard	
S5	STD 0.020			Calibration Standard	
S6	STD 0.010			Calibration Standard	
S7	STD 0.005			Calibration Standard	
S8	STD 0.000			Calibration Standard	
1	ICV TV= 0.25			Unknown	
2	ICB			Unknown	
3	CRDL - 0.010			Unknown	
4	CRDL - 0.005			Unknown	
5	CCV			Unknown	
6	CCB			Unknown	
7	LCS TV= 0.100			Unknown	
8	13 D			Unknown	
9	13 D DUP			Unknown	
10	13 D SPK			Unknown	Witnessed by Andie
11	M-27 D			Unknown	
12	M-27 D MS			Unknown	
13	M-27 D MSD			Unknown	
14	DUP-2			Unknown	
15	CCV			Unknown	
16	CCB			Unknown	

Analyte Table	CR+6 7196A/SM3500-
	(mg/L)
STD 0.500	0.50000
STD 0.200	0.20000
STD 0.100	0.10000
STD 0.050	0.05000
STD 0.020	0.02000
STD 0.010	0.01000
STD 0.005	0.00500
STD 0.000	0.00000

00760

Columbia Analytical Services
Now part of the ALS Group
1565 Jefferson Rd., Rochester NY 14623

General Chemistry Analytical Run Cover Sheet

Analyst: NM Date: 5/15/14

Analysis: Hexavalent Chromium, waters Instrument: Lachat

Quality Control:

	Same as Log#, Date,	Stocks Receipt Log#, Date,	Stock Sol (mLs)	Stock Sol (mg/L)	Final Vol (mLs)	True Value (mg/L)
a) Standards Prep.:	WC85129C, 3/26/08	WC112232F, 3/18/13				
b) ICV Preparation:	WC92067H, 8/20/09	WC112232G, 3/18/13	0.25	10	10	0.25
c) LCS Preparation:	WC85129F, 3/26/08	WC112232F, 3/18/13	0.1	10	10	0.10
d) Matrix Spike Prep.:	WC85129F, 3/26/08	WC112232F, 3/18/13	0.1	10	10	0.10

Instrument log filled in? (Y) (N)

Packages: Copy and attach Standards Preparation

Comments:

The color blank for Lachat is subtracted from the sample result only in instances where the sample is greater than 0.010 mg/L and the color blank is greater than 0.005 mg/L.

Konelab does not require a separate color blank analysis.

(29)

(A) Matrix Spike TV=0.25
add 0.25 mls 10ppm Reference Stock (**) to
9.75 mls Distilled [illegible]

3/25/91 (B) MS/MSD Spike TV=0.25
add 0.25 mls 10ppm Standard Stock (D) to 10 mls sample, [illegible] Distilled [illegible]

(C) Standards [illegible] Range 0.50-0.01 (fresh [illegible])

conc	mls 10ppm Std	mls DI
0.50	0.50	9.50
0.20	0.20	9.80
0.10	0.10	9.90
0.05	1/10 dilution of 0.50 Std	
0.02	1/10 dilution of 0.20 Std	
0.01	1/10 dilution of 0.10 Std	
0.005	1/10 dilution of 0.05 Std	
0.000	0.00	10.00

(D) 10ppm Std Stock is prepared by doing 2 1/10 dilutions of the 1000ppm Std Stock (WC16254G).

(E) ICV/CCV TV=0.30 (fresh [illegible])
add 0.30 mls of 10ppm Ref Stock ** to 9.70 mls DI

(F) LCS/LMS TV=0.10 (fresh [illegible])
add 0.10 mls of 10ppm Std Stock (WC95129D) to 10 mls DI or sample.

(G) ** 10ppm Reference Stock
Perform 2 1/10 dilutions of the 1000ppm Reference Stock (WC45083G)

00762

LE PROJECT

(tinued from page

1/20/09 EW (A) TDS Reference
0.9153g NaCl (WC85215H) diluted volumetrically to 1 ~~liter~~ liter w/ DI. Store in plastic bottle @ 4°C
TV = 915 mg/L Exp: 8/20/10 (11634)

1/20/09 NM (B) Color Reagent - TKN
- same as WC92059G. Exp 1 month, 9/20/09.

(C) NH3 Carrier/Diluent
To a 2 liter plastic bottle add:
- 998g UPDI
- 3.68g conc. insta-analyzed H_2SO_4 (WC92064B)
Prepared solution x4.

1/22/09 As of 8/18/09 for Konelab:

(D) ICV/CCV TKN TV = 0.30
0.30 mls 10ppm TKN Ref Stock (WC85134C) + 9.50 mls 0.25N NaOH (WC85134A)

(E) ICV/CCV OPO_4-P TV = 0.15
0.25 mls 1.80ppm OPO_4 Ref Stock (WC85130G) + 9.75 mls UPDI

(F) ICV/CCV OPO_4 TV = 0.36
0.20ml 18.0ppm OPO_4 Ref Stock (WC85130F) + 9.80 mls UPDI

(G) ICV/CCV NO_2 TV = 0.45
0.25ml 18.0 ppm NO_2 Ref Stock (1/10 dil of WC72007G) + 9.75mls UPDI

(H) ICV/CCV Cr^{+6} TV = 0.25
0.25mls 10 ppm Cr^{+6} Ref Stock (WC85129G) + 9.75 mls UPDI

(I) ICV/CCV NH_3 TV = 0.90
0.30mls 120 ppm NH_3 Reference Stock (1/10 dil of WC85257G) + 9.50mls diluent (WC42045D)

8/20/09 N Mead (J) ICV/CCV TKN's (TV=4.00)
9.9mls PDMM + 0.1 mls 400ppm Reference working stock (WC42020C)

continued to page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE

TITLE PROJECT

Continued from page

Amm 3-18-13 (A) 10% H_3PO_4
Same as WC112155C Exp 1 year 3-18-14

(B) TRN Digest Reagent
3/15/13 To a 1L vol flask add 134g potassium sulfate (WC112228H) and 7.39 Cooper II sulfate (WC112053F) add ~ 600mL DI. Slowly add 134mL H_2SO_4 trace metal (WC112214G) let dissolve + cool. Bring to volume w/ DI. Store @ RT. Exp. 3/22/13

3/18/13 NM (C) Buffer - NH_3
Same as WC112206G. Exp. 3/18/13 3/18/13 3/18/14

(D) NH_3 Carrier/Diluent
- same as WC112231A. Prepared solution x 3.

3/18/13 NM Received from VWR:
(E) (1) x 4L EDTA 0.010M, cat.# BDH3621-4, BDH lot # 21113622, CAS # 6381-92-6, 7732-18-5. Store @ RT. Exp. 5/30/14 per manufacturer. #55680

Received from Fisher:
(F) (1) x 500mL Chromium Reference Standard Solution, cat. # SC192-500, Fisher lot # 125581, CAS #s 7778-50-9, 7732-18-5, store @ RT. Exp. 9/30/2014 per manufacturer. #55682

Received from Environmental Express:
(G) (1) x 250mL Cr+6 standard, cat.# HP100012-7, Environmental Express lot # 121582q, no CAS #'s listed. Store @ RT. Exp. 9/12/14 per manufacturer. # 55683

Continued to page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE

11/25/13 BD — (A) 2L HCl Solution- Fe^{2+} soils conc.
In a 2L vol. flask, add 40mL HCl (WC126026F) to ~1200mL UPDI. Dilute to vol + mix thoroughly. Store in plastic @ 4°C. Exp 1yr. 11/25/14.

11/26/13 NM — (B) Phosphate Buffer - TCN
-same as WC126100D. Exp. 1month, 12/26/13.

11/26/13 NM — Received from VWR:
(C) (6) x 2.5L Hydrochloric Acid, cat# H613-16, MACRON lot# 28869, cas#'s 7732-18-5, 7647-01-0, Store @ RT. Exp. 11/13/14. per manufacturer. #64668
(D) (1) x 4L sulfuric Acid, 0.02N, cat# S683-03, JTBaker lot #42171, cas#'s 7732-18-5, 7664-93-9, Store @ RT. Exp. 4/11/15 per manufacturer. #64669
(E) (1) x 2.5L Ammonium Hydroxide, cat.# 9721-05, cas # 1336-21-6, JT Baker lot # 10967, Store @ RT. Exp. 7/17/12 per manufacturer. #64670
(F) (1) x 4L Sodium Hypochlorite Solution, cat.# SS290-4, Fisher lot # 133038, cas #'s 7681-52-9, 7732-18-5, store @ RT. Exp. 4/2014 per manufacturer. #64671

11/26/13 NM — Received from HACH:
(G) (2) x 150 each COD HL Digestion tubes, 20-1500 ppm, cat.# 2125915, HACH lot # A3318, cas#'s 7783-35-9, 10294-26-5, 7664-93-9, 13530-68-2, store @ RT. Exp. 11/2018 per manufacturer #64672

11/26/13 NM — Received from Environmental Express:
(H) (1) x 250mLs Cr+6 standard, 1000µg/mL, cat.# HP100012-7, lot # 1312101, cas#'s 7778-50-9, 7732-18-5 store @ RT, Exp. 5/15/15 per manufacturer. #64667

Appendix B

Data Validation Reports

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

July 21, 2014

Brian Neumann
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

RE: Validation of GE MRFA Malta Site Data Packages
ALS Sub No. R1403523

Dear Mr. Neumann:

Review has been completed for the data package generated by ALS/CAS that pertains to groundwater samples collected 05/13/14 and 05/14/14 at the GE Malta Site. Twenty-one samples, two field duplicates, cooler blanks, and trip blanks were processed for site-specific low level volatiles and ethane. Three of those samples and one field duplicate were also analyzed for total and hexavalent chromium. Methodologies utilized include those of the USEPA OLC02.1, EPA CLP ILM, RSK 175, and USEPA SW846 method 7196.

Data validation was performed with guidance from the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA Region 2 SOPs HW-2 and HW-6, with consideration for the specific methodologies. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration/Low Level Standards
* Instrument IDLs
* ICP Serial Dilutions
* Method Compliance
* Sample Result Verification

The items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable

for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, sample processing was conducted primarily with compliance to protocol requirements and with adherence to quality criteria. Sample results are usable either as reported, or with minor qualification.

Copies of laboratory identification summaries and the laboratory case narratives are attached to this text, and should be reviewed in conjunction with this report. Laboratory sample results forms are also submitted, reflecting the qualifiers in red ink.

Chain-of-Custody

The relinquish entries do not include the year.

The custody forms do not indicate the preservation or the number of containers. Raw preparation and instrument logs show proper pHs.

Low Level Volatile Analyses

The detected results for acetone in the following samples are qualified as tentative in identification and estimated in value due to poor mass spectral quality: M-25D, M-24DR, DGC-3S, 11D, and M-26D.

The detected results for acetone in SW-F and SW-D are edited to reflect non-detection due to very poor mass spectral quality.

Matrix spikes of M-27D and M-28S show recoveries and duplicate correlations within the laboratory acceptance ranges and validation guidelines for the twelve evaluated analytes.

Volatile blind field duplicate correlations for M-27D and 11D are within validation guidelines.

Results for analytes initially reported with the "E" laboratory flag have been derived from the dilution analyses of the samples.

1,2-Dibromo-3-chloropropane, acetone and 2-butanone exhibit low relative response factors (RRFs) (inherent with the methodology) in all of the project calibration standards. The usability of those data is evidenced by spike recoveries, instrument sensitivity, and calibration standard responses, but the reporting limits and detected values for those compounds in the samples and trip/cooler blanks should be considered estimated ("UJ" or "J" qualifiers), possibly biased low. The other calibration standard responses are acceptable.

Holding times were met, and surrogate and internal standard responses are within required limits. Blanks show no contamination affecting sample reported results.

Ethane Analyses

Instrument performance was compliant, holding times were met, and blanks show no contamination.

Matrix spikes and duplicates of M-27D and 11D show recoveries and correlations within laboratory acceptance ranges.

The blind field duplicate evaluation of M-27D shows acceptable correlations.

Total Chromium Analyses

The matrix spike/lab duplicate accuracy and precision determinations were performed on M-27D, and show recovery and duplicate correlation within recommended limits.

The field duplicate evaluation for M-27D also produced a good correlation.

The serial dilution evaluation of M-27D is not applicable due to low sample concentration.

Instrument performance was acceptable. Reported results are substantiated by the raw data, and generated in compliance with required protocols. Quality control parameter results meet validation requirements.

Hexavalent Chromium Analyses

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to the procedure. All were found to be acceptable unless noted below.

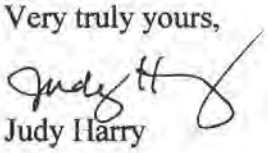
Matrix spike/laboratory duplicate accuracy and precision determinations were performed on SW-B and 13D, and show recoveries and duplicate correlation within laboratory acceptance ranges.

The field duplicate correlation for M-27D was within validation guidelines.

Reported results are substantiated by the raw data, and generated in compliance with required protocols. Holding times were met, and blanks show no contamination.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,



Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and LABORATORY CASE NARRATIVE

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #: 151492.01	Batch Complete: Yes	Date Revised:
Submission: R1403523	Diskette Requested: No	Date Due: 6/5/14
Client: CB&I	Date: 5/16/14	Protocol: EPA
Client Rep: JJAEGER	Custody Seal: Present/Absent:	Shipping No.:
Project: GE MRFA	Chain of Custody: Present/Absent:	SDG #: M-25D

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks Sample Condition
R1403523-001	M-25D	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-002	M-29D	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-003	M-24DR	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-004	DGC-3S	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-005	DGC-4S	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-006	SW-A	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-007	SW-G	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-008	SW-E	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-009	SW-F	Water	RSK 175, CLP-VOA OLC02.1	5/13/14	5/14/14			
R1403523-010	SW-B	Water	RSK 175, 7196A, CLP-VOA OLC02.1, 6010C	5/13/14	5/14/14			
R1403523-011	SW-D	Water	CLP-VOA OLC02.1, RSK 175	5/13/14	5/14/14			
R1403523-012	TRIP BLANK 1	Water	CLP-VOA OLC02.1	5/14/14	5/14/14			
R1403523-013	COOLER BLANK	Water	CLP-VOA OLC02.1	5/14/14	5/14/14			
R1403523-014	10S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-015	M-28S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-016	11D	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-017QC	M-26D	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-018	M-26S	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-019	MW-1	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-020	MW-4	Water	RSK 175, CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-021	13S	Water	CLP-VOA OLC02.1, RSK 175	5/14/14	5/15/14			
R1403523-022	13D	Water	7196A, RSK 175, CLP-VOA OLC02.1, 6010C	5/14/14	5/15/14			
R1403523-023QC	M-27D	Water	7196A, RSK 175, CLP-VOA OLC02.1, 6010C	5/14/14	5/15/14			
R1403523-024	TRIP BLANK 2	Water	CLP-VOA OLC02.1	5/14/14	5/15/14			
R1403523-025	DUP-1	Water	CLP-VOA OLC02.1, RSK 175	5/14/14	5/15/14			
R1403523-026	DUP-2	Water	RSK 175, 7196A, 6010C, CLP-VOA OLC02.1	5/14/14	5/15/14			

Folder Comments: need extra 3 compounds, e-mail invoices to Karen and Steve, GE Minimum Standards

CASE NARRATIVE

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA	**Project Number:**	
Sample Matrix:	Water	**Date Received:**	5/14-15/14

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

Sample Receipt

Samples were collected on 05/13-14/14 and received at ALS on 05/14-15/14 at cooler temperatures of 4.1 and 5.7°C in good condition except as noted on the cooler receipt and preservation check form. The samples were stored in a refrigerator at 1 - 6 °C upon receipt at the laboratory.

Inorganic Analysis

Samples were analyzed for a site specific list of inorganics. Please see attached data pages for method numbers.

Sample DUP A was analyzed at a dilution due to negative peak on the straight sample.

Site specific QC was performed on samples SW-B and 13D instead of M-27D as requested. All MS recoveries and RPD's were acceptable.

The Method Blanks associated with these analyses were free of contamination.

No other analytical or QC problems were encountered.

Metals Analysis

Samples were analyzed for a site specific list of Metals by Methods 6010C.

Site specific QC was performed on M-27D as requested. All MS recoveries and RPD's were acceptable.

All LCS recoveries were within limits.

The Method Blanks associated with these analyses were free of contamination to the MRL.

No other analytical or QC problems were encountered.

Volatile Organics

Samples were analyzed for a site specific list of Volatile Organics by CLP Method OLC 2.1.

All Tuning criteria for BFB were within QC limits.

All the initial calibration and continuing calibration criteria were met for all analytes except 1,2-Dichloroethane and Trichloroethene on the 5/22/14 CCV run which had %Differences (%D) greater than ±20% but less than 40%. Any hits for these compounds associated with this CCV should be considered as estimated, however no hits were found for these compounds, no data was affected.

All Internal Standard Areas and surrogate standard recoveries were within QC limits.

The LCS/LCSD recoveries and RPD calculations were all acceptable.

Site specific QC was performed on M-26D and M-27D as requested. All MS/MSD recoveries and RPD's were acceptable.

Hits above the calibration range of the standards are flagged as "E", estimated. The sample is then repeated at the appropriate level for the hit. Both sets of data are included in the report. The hits on the subsequent dilution are flagged as "D".

The Method Blanks associated with these samples were free of contamination except for low level hits fro 1,2,3-Trichlorobenzene and Hexachlorobutadiene on the 5/21/14 run. No data was affected.

No analytical or QC problems were encountered.

RSK-175

Samples were analyzed for Ethane by Method RSK-175M.

All the initial and continuing calibration criteria were met for all analytes.

The LCS recoveries were all acceptable.

Site specific QC was requested on M-26D and M-27D as requested. All MS/MSD recoveries and RPD's were acceptable.

The Method Blanks associated with these samples were free of contamination.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature. Brian J Burden 6/12/14

QUALIFIED RESULTS FORMS

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 0845
Date Received: 5/14/14
Date Analyzed: 5/21/14 22:20

Sample Name: M-25D
Lab Code: R1403523-001

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 2.5

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	2.5	U		2.5	0.25	
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U		2.5	0.25	
79-00-5	1,1,2-Trichloroethane	2.5	U		2.5	0.28	
75-34-3	1,1-Dichloroethane (1,1-DCA)	2.5	U		2.5	0.25	
75-35-4	1,1-Dichloroethene (1,1-DCE)	2.5	U		2.5	0.25	
87-61-6	1,2,3-Trichlorobenzene	2.5	U		2.5	0.28	
120-82-1	1,2,4-Trichlorobenzene	2.5	U		2.5	0.30	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.5	U	UJ	2.5	0.60	
106-93-4	1,2-Dibromoethane	2.5	U		2.5	0.38	
107-06-2	1,2-Dichloroethane	2.5	U		2.5	0.25	
95-50-1	1,2-Dichlorobenzene	2.5	U		2.5	0.25	
78-87-5	1,2-Dichloropropane	2.5	U		2.5	0.25	
541-73-1	1,3-Dichlorobenzene	2.5	U		2.5	0.25	
106-46-7	1,4-Dichlorobenzene	2.5	U		2.5	0.25	
78-93-3	2-Butanone (MEK)	13	U	UJ	13	2.6	
591-78-6	2-Hexanone	13	U		13	5.3	
108-10-1	4-Methyl-2-pentanone	13	U		13	2.4	
67-64-1	Acetone	**3.7**	J	NJ	13	2.7	
71-43-2	Benzene	2.5	U		2.5	0.25	
74-97-5	Bromochloromethane	2.5	U		2.5	0.38	
75-27-4	Bromodichloromethane	2.5	U		2.5	0.25	
75-25-2	Bromoform	2.5	U		2.5	0.38	
74-83-9	Bromomethane	2.5	U		2.5	0.58	
75-15-0	Carbon Disulfide	2.5	U		2.5	0.36	
56-23-5	Carbon Tetrachloride	**23**			2.5	0.25	
108-90-7	Chlorobenzene	2.5	U		2.5	0.25	
75-00-3	Chloroethane	2.5	U		2.5	0.25	
67-66-3	Chloroform	**0.93**	J		2.5	0.25	
74-87-3	Chloromethane	2.5	U		2.5	0.30	
156-59-2	cis-1,2-Dichloroethene	2.5	U		2.5	0.25	
10061-01-5	cis-1,3-Dichloropropene	2.5	U		2.5	0.30	
124-48-1	Dibromochloromethane	2.5	U		2.5	0.25	
100-41-4	Ethylbenzene	2.5	U		2.5	0.25	
87-68-3	Hexachlorobutadiene	2.5	U		2.5	0.25	
179601-23-1	m,p-Xylenes	2.5	U		2.5	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0845
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 22:20
Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4985.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	2.5

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	2.5	U	2.5	0.25	
95-47-6	o-Xylene	2.5	U	2.5	0.25	
100-42-5	Styrene	2.5	U	2.5	0.25	
127-18-4	Tetrachloroethene (PCE)	2.5	U	2.5	0.25	
108-88-3	Toluene	2.5	U	2.5	0.25	
156-60-5	trans-1,2-Dichloroethene	2.5	U	2.5	0.25	
10061-02-6	trans-1,3-Dichloropropene	2.5	U	2.5	0.25	
79-01-6	Trichloroethene (TCE)	57		2.5	0.25	
75-69-4	Trichlorofluoromethane (CFC 11)	2.5	U	2.5	0.25	
75-01-4	Vinyl Chloride	2.5	U	2.5	0.25	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	5/21/14 22:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2220

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-25D	**Units:**	µg/L
Lab Code:	R1403523-001	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 0930
Date Received: 5/14/14
Date Analyzed: 5/21/14 16:02

Sample Name: M-29D
Lab Code: R1403523-002

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	**3.8**			1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**0.21**	J		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	**0.15**	J		1.0	0.14	
56-23-5	Carbon Tetrachloride	**20**			1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	**0.55**	J		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 0930
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 16:02
Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4974.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	~~25~~	~~E~~ 23	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 16:02	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1602

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-29D	**Units:**	µg/L
Lab Code:	R1403523-002	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1020
Date Received: 5/14/14
Date Analyzed: 5/21/14 16:34

Sample Name: M-24DR
Lab Code: R1403523-003

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	**1.5**	**J**	NJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**0.51**	**J**		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1020
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 16:34
Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4975.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**1.7**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 16:34	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1634

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-24DR	**Units:**	µg/L
Lab Code:	R1403523-003	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1100
Date Received: 5/14/14
Date Analyzed: 5/21/14 18:12

Sample Name: DGC-3S
Lab Code: R1403523-004

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	1.7	J	NJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1100
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 18:12
Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4978.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	80-120	5/21/14 18:12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1812

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DGC-3S	**Units:**	µg/L
Lab Code:	R1403523-004	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1145
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 17:38
Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1145
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 17:38
Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4977.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 17:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1738

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DGC-4S	**Units:**	µg/L
Lab Code:	R1403523-005	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1215
Date Received: 5/14/14
Date Analyzed: 5/21/14 18:45

Sample Name: SW-A
Lab Code: R1403523-006

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1215
Date Received: 5/14/14
Date Analyzed: 5/21/14 18:45

Sample Name: SW-A
Lab Code: R1403523-006

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4979.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	5/21/14 18:45	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1845

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-A	**Units:**	µg/L
Lab Code:	R1403523-006	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1300
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:21
Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1300
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:21
Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4980.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	80-120	5/21/14 19:21	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1921

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-G	**Units:**	µg/L
Lab Code:	R1403523-007	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1330
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:57
Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1330
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 19:57
Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4981.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	80-120	5/21/14 19:57	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 1957

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-E	**Units:**	µg/L
Lab Code:	R1403523-008	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/13/14 1345
Date Received: 5/14/14
Date Analyzed: 5/21/14 20:32

Sample Name: SW-F
Lab Code: R1403523-009

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D\

Analysis Lot: 393569
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	~~1.2 J~~	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1345
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 20:32
Sample Name:	SW-F	**Units:**	µg/L
Lab Code:	R1403523-009	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4982.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 20:32	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2032

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-F	**Units:**	µg/L
Lab Code:	R1403523-009	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1415
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:08
Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1415
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:08
Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4983.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**0.12**	J	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	5/21/14 21:08	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2108

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-B	**Units:**	µg/L
Lab Code:	R1403523-010	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1445
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:44
Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	~~1.4 J~~	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14 1445
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 21:44
Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4984.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	5/21/14 21:44	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/13/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/21/14 2144

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	SW-D	**Units:**	µg/L
Lab Code:	R1403523-011	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/14/14
Date Analyzed: 5/22/14 06:05

Sample Name: TRIP BLANK 1
Lab Code: R1403523-012

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

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Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 06:05
Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1403523-012	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4998.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**0.16**	**J**	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 06:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 0605

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1403523-012	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 23:58
Sample Name:	COOLER BLANK	**Units:**	µg/L
Lab Code:	R1403523-013	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1;1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 23:58
Sample Name:	COOLER BLANK	**Units:**	µg/L
Lab Code:	R1403523-013	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5028.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 23:58	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/14/14
		Date Analyzed:	5/22/14 2358

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	COOLER BLANK	**Units:**	µg/L
Lab Code:	R1403523-013	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0845
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 06:41
Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	**3.8**	J	J	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**1.1**			1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	**0.48**	J		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0845
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 06:41
Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4999.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	80-120	5/22/14 06:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0641

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	10S	**Units:**	µg/L
Lab Code:	R1403523-014	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 0930
Date Received: 5/15/14
Date Analyzed: 5/22/14 07:17

Sample Name: M-28S
Lab Code: R1403523-015

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	**2.6**	J	J	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**2.4**			1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	**0.19**	J		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

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Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 0930
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 07:17
Sample Name:	M-28S	**Units:**	µg/L
Lab Code:	R1403523-015	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5000.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**4.4**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	80-120	5/22/14 07:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0717

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-28S	**Units:**	µg/L
Lab Code:	R1403523-015	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1015
Date Received: 5/15/14
Date Analyzed: 5/22/14 07:52

Sample Name: 11D
Lab Code: R1403523-016

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	**1.1**	J	NJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**6.2**			1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	**0.49**	J		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1015
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 07:52
Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5001.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**1.6**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	80-120	5/22/14 07:52	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0752

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	11D	**Units:**	µg/L
Lab Code:	R1403523-016	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 17:05
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U	UJ	1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U		5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	1.7	J	NJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1115
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 17:05
Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393569
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L4976.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	5/21/14 17:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/21/14 1705

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-26D	**Units:**	µg/L
Lab Code:	R1403523-017	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1200
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 08:28
Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	1.8	J	J	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1200
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 08:28
Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5002.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**0.16**	J	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	80-120	5/22/14 08:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0828

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-26S	**Units:**	µg/L
Lab Code:	R1403523-018	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1245
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:04
Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	**1.3**	**J**	J	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1245
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:04
Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5003.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 09:04	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0904

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	MW-1	**Units:**	µg/L
Lab Code:	R1403523-019	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1330
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:40
Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1330
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 09:40
Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5004.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	80-120	5/22/14 09:40	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 0940

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	MW-4	**Units:**	µg/L
Lab Code:	R1403523-020	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1420
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 10:15
Sample Name:	13S	**Units:**	µg/L
Lab Code:	R1403523-021	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**4.0**			1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1420
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 10:15
Sample Name:	13S	**Units:**	µg/L
Lab Code:	R1403523-021	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5005.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**2.8**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	80-120	5/22/14 10:15	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1015

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	13S	**Units:**	µg/L
Lab Code:	R1403523-021	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 10:51
Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	**1.4**	J	J	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**0.26**	J		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14 1500
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 10:51
Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5006.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	80-120	5/22/14 10:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1051

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	13D	**Units:**	µg/L
Lab Code:	R1403523-022	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14
Date Analyzed: 5/22/14 11:27

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**5.1**			1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	**0.49**	J		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14 1600
Date Received: 5/15/14
Date Analyzed: 5/22/14 11:27

Sample Name: M-27D
Lab Code: R1403523-023

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5007.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.3**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 11:27	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1127

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	M-27D	**Units:**	µg/L
Lab Code:	R1403523-023	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14 12:03

Sample Name: TRIP BLANK 2
Lab Code: R1403523-024

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	1.0	U		1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	1.0	U		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 12:03
Sample Name:	TRIP BLANK 2	**Units:**	µg/L
Lab Code:	R1403523-024	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5008.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	**0.19**	J	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 12:03	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1203

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	TRIP BLANK 2	**Units:**	µg/L
Lab Code:	R1403523-024	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14 12:38

Sample Name: DUP-1
Lab Code: R1403523-025

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D\

Analysis Lot: 393678
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	**1.3**	J	J	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**6.2**			1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	**0.56**	J		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 12:38
Sample Name:	DUP-1	**Units:**	µg/L
Lab Code:	R1403523-025	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393678
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052114\L5009.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**1.7**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	80-120	5/22/14 12:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 1238

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DUP-1	**Units:**	µg/L
Lab Code:	R1403523-025	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/151492.01
Sample Matrix: Water

Service Request: R1403523
Date Collected: 5/14/14
Date Received: 5/15/14
Date Analyzed: 5/22/14 23:23

Sample Name: DUP-2
Lab Code: R1403523-026

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D\

Analysis Lot: 393854
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q		MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U		1.0	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		1.0	0.10	
79-00-5	1,1,2-Trichloroethane	1.0	U		1.0	0.11	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U		1.0	0.10	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U		1.0	0.10	
87-61-6	1,2,3-Trichlorobenzene	1.0	U		1.0	0.11	
120-82-1	1,2,4-Trichlorobenzene	1.0	U		1.0	0.12	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	UJ	1.0	0.24	
106-93-4	1,2-Dibromoethane	1.0	U		1.0	0.15	
107-06-2	1,2-Dichloroethane	1.0	U		1.0	0.10	
95-50-1	1,2-Dichlorobenzene	1.0	U		1.0	0.10	
78-87-5	1,2-Dichloropropane	1.0	U		1.0	0.10	
541-73-1	1,3-Dichlorobenzene	1.0	U		1.0	0.10	
106-46-7	1,4-Dichlorobenzene	1.0	U		1.0	0.10	
78-93-3	2-Butanone (MEK)	5.0	U	UJ	5.0	1.1	
591-78-6	2-Hexanone	5.0	U		5.0	2.1	
108-10-1	4-Methyl-2-pentanone	5.0	U		5.0	0.95	
67-64-1	Acetone	5.0	U	UJ	5.0	1.1	
71-43-2	Benzene	1.0	U		1.0	0.10	
74-97-5	Bromochloromethane	1.0	U		1.0	0.15	
75-27-4	Bromodichloromethane	1.0	U		1.0	0.10	
75-25-2	Bromoform	1.0	U		1.0	0.15	
74-83-9	Bromomethane	1.0	U		1.0	0.23	
75-15-0	Carbon Disulfide	1.0	U		1.0	0.14	
56-23-5	Carbon Tetrachloride	**4.7**			1.0	0.10	
108-90-7	Chlorobenzene	1.0	U		1.0	0.10	
75-00-3	Chloroethane	1.0	U		1.0	0.10	
67-66-3	Chloroform	**0.45**	J		1.0	0.10	
74-87-3	Chloromethane	1.0	U		1.0	0.12	
156-59-2	cis-1,2-Dichloroethene	1.0	U		1.0	0.10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U		1.0	0.12	
124-48-1	Dibromochloromethane	1.0	U		1.0	0.10	
100-41-4	Ethylbenzene	1.0	U		1.0	0.10	
87-68-3	Hexachlorobutadiene	1.0	U		1.0	0.10	
179601-23-1	m,p-Xylenes	1.0	U		1.0	0.12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 23:23
Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method:	CLP-VOA OLC02.1	**Analysis Lot:**	393854
Data File Name:	I:\ACQUDATA\MSVOA6\DATA\052214\L5027.D\	**Instrument Name:**	R-MS-06
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.10	
95-47-6	o-Xylene	1.0	U	1.0	0.10	
100-42-5	Styrene	1.0	U	1.0	0.10	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.10	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.10	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10	
79-01-6	Trichloroethene (TCE)	**5.5**		1.0	0.10	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.10	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	80-120	5/22/14 23:23	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	CB&I	**Service Request:**	R1403523
Project:	GE MRFA/151492.01	**Date Collected:**	5/14/14
Sample Matrix:	Water	**Date Received:**	5/15/14
		Date Analyzed:	5/22/14 2323

Tentatively Identified Compounds (TIC)
Low Level Water Volatile Organic Compounds by GC/MS

Sample Name:	DUP-2	**Units:**	µg/L
Lab Code:	R1403523-026	**Basis:**	NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

Appendix C

Property Owner Interviews

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed:	New York State Energy Research and Developmental Authority
Date of Interview: October 15, 2014	Agency/Property Owner Representative: Kevin Hunt e-mail: klh@nyserda.ny.gov Phone: 518-862-1090 (x3259)
Interview Questions:	Representative Response:
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	No
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Yes
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No
Interview completed by: Mike Noel	Interviewer Signature/Date: 10/15/14

TETRA TECH

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Global Foundries	Global Foundries
Date of Interview: 11/3/2014 (via email response)	Agency/Property Owner Representative: James Fedorchak
Interview Questions:	Representative Response: Patrick Hewlett
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	Site is currently being developed and additional buildings constructed. No exposure or work within groundwater. A temporary stone parking lot has been constructed on the eastern end of the MRFA site.
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Yes. Notification of and written approval by EPA prior to disturbance or contact with groundwater.
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No
Interview completed by: Mike Noel	Interviewer Signature/Date: 11/14/2014

TETRA TECH

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Mike Relyea	Luther Forest Technology Campus Economic Development Corporation
Date of Interview: Dec 9, 2014	Agency/Property Owner Representative: Michael Relyea e-mail: info@lutherforest.org Phone: 518-424-4248
Interview Questions:	Representative Response:
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	Yes, anticipate leasing property as a laydown area for Global Foundries suppliers
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Yes
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No, but the information was provided to a leasee.
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No
Interview completed by: Mike Noel	Interviewer Signature/Date: Dec 9, 2014

TETRA TECH

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Town of Malta	Town of Malta, New York
Date of Interview:	Agency/Property Owner Representative: Anthony Tozzi e-mail: planningdir@malta-town.org Phone: (518) 899-2685
Interview Questions:	Representative Response:
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No, our source for water is piped in from the upper Hudson River.
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	Yes. The Luther Forest Technology Campus Economic Development Corporation and GLOBALFOUNDRIES are co-applicants that have requested amendments to the Planned Development District titled "Luther Forest Technology Campus PDD"
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Yes, but I am not the responsible party for performing this.
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No
Interview completed by:	Interviewer Signature/Date: Anthony Tozzi, December 9, 2014