



**SEMI-ANNUAL O&M REPORT
REMEDIAL WORK ELEMENTS II AND IV
REPORTING PERIOD JULY THROUGH DECEMBER 2013**

***Malta Rocket Fuel Area Site
Malta, New York***

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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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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 July 1, 2013 through December 31, 2013.

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

2.1 Sample Collection

During this reporting period, unfiltered groundwater samples were collected on October 16th and 17th, 2013 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) 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) Five-Year Review Report, Malta Rocket Fuel Area Superfund Site, EPA, August 27, 2009, and
- 5) EPA letter dated December 1, 2011, Modification to the Groundwater Monitoring Program and subsequent correspondence with General Electric Company.

According to the documents referenced above, the following samples were collected 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. Trip blanks were also analyzed.
- Monitoring wells MW-4, M-26S, M-26D, and M-28S were sampled for hydrazine, 1.1-

dimethylhydrazine and methylhydrazine. A blind duplicate was collected from well M-28S for the hydrazines.

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. Eurofins in Lancaster, Pennsylvania analyzed the hydrazines by modified Method 8315A.

Results of the October 2013 semi-annual EWMS sampling event are summarized in **Table 1**. 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

Chromium was detected in monitoring well 13D at an estimated concentration of 8.0 µg/l. No detectable concentrations of unfiltered total chromium and hexavalent chromium were reported at the method detection limit for all other 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

Carbon tetrachloride was detected in monitoring wells 11D, 13S, M-25D, M-27D, M-28S and M-29D, at concentrations of, 6.0 µg/l, 3.7 µg/l, 25 µg/l, 1.6 µg/l, 4.7 µg/l, and 18 µg/l, respectively. In addition, carbon tetrachloride was detected at estimated concentrations in monitoring wells 10S, 13D, and M-24DR at 0.20 µg/l, 0.77 µg/l, and 0.67 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-28S and M-29D at concentrations of 0.65 µg/l, 0.55 µg/l, 1.2 µg/l, 0.26 µg/l, and 0.63 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 1.4 µg/l, 2.9 µg/l, 2.8 µg/l, 57 µg/l, 6 µg/l, 8.1 µg/l and 23 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 and TCE 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.

2.5 Hydrazine Analytical Results

Hydrazine was not detected at monitoring wells MW-4, M-26S, and M-28S.

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 16 and 17, 2013, 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 along the access roads and wooded paths leading to these locations
- Proximate to building 15 at the MRFA site

3.2 Interviews with Property Owners

Telephone 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 December 23, 2013.
- Kevin King representing the Town of Malta was interviewed on January 7, 2014.
- Jon Dawes representing Luther Forest Technology Campus Economic Development Corporation (LFTCDC) was interviewed on December 9, 2013.
- Patrick Hewlett representing Global Foundries was interviewed on November 27, 2013.

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

Mr. King from the Town of Malta stated that he was not aware of any new groundwater usage, within the ERZ. He stated that their water supply is now piped from the upper Hudson River.

Mr. Dawes stated that he was aware of ongoing construction by Global Foundries facility. Mr. Dawes was not aware of any new groundwater usage or other actions within the ERZ.

Mr. Hewlett from Global Foundries stated that he was not aware of any new groundwater usage within the ERZ

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 8.0 µg/l. Hexavalent chromium was not detected at the any of the sample locations. The NYSGWS for chromium is 50 µg/l.
- Carbon tetrachloride was detected in monitoring wells 11D, 13S, M-25D, M-27D, M-28S, M-29D, at concentrations of, 6.0 µg/l, 3.7 µg/l, 25 µg/l, 1.6 µg/l, 4.7 µg/l, and 18 µg/l, respectively. All other sample locations contained either estimated concentrations or were non-detect for carbon tetrachloride during the reporting period. The NYSGWS for carbon tetrachloride is 5 µg/l.
- Chloroform detections were either estimated concentrations or were non-detect during the reporting period. The NYSGWS for chloroform is 7 µg/l.
- TCE was detected in monitoring wells 11D, 13S, M-24DR, M-25D, M-27D, M-28S and M-29D at concentrations of 1.4 µg/l, 2.9 µg/l, 2.8 µg/l, 57 µg/l, 6 µg/l, 8.1 µg/l, and 23 µg/l respectively. The NYSGWS for TCE is 5ug/l,
- As shown in **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.

TABLE 1

OCTOBER 2013 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action	DGC-3S	DGC-4S	10S	11D	13S	13D	MW-1	MW-4	M-24DR	M-25D	M-26S	M-26D	M-27D	DUP-2		DUP		M-29D	Trip Blank (10/16/13)	Trip Blank (10/17/13)	SW-A	SW-B	SW-D	SW-E	SW-F	SW-G	SW-F	SW-G
	Objective														M-28S	M-28S													
Acetone	50	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	2.4 J	13.0 UJ	3.2 J	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	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	
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	0.39 J	5.0 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	
Carbon Tetrachloride	5	1.0 U	1.0 U	0.20 J	6	3.7	0.77 J	1.0 U	1.0 U	0.67 J	25	1.0 U	1.0 U	1.6	1.5	4.7	4.5	18		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	
Chloroform	7	1.0 U	1.0 U	0.65 J	0.55 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2 J	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	0.27 J	0.63 J		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-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 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	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	
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.4	2.9	1.0 U	1.0 U	1.0 U	2.8	57	1.0 U	1.0 U	6	5.6	8.1	7.6	23		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	
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	3.7		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	1.0 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		1.0 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-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	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	
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		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	1.0 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		1.0 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*	NA	NA	NA	NA	NA	8.0 J	NA	NA	NA	NA	NA	NA	0.816 U	0.816 U	NA	NA	NA		NA	NA	NA	0.816 U	NA	NA	NA	NA	NA	
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	0.010 U	NA	NA	NA	NA	NA	NA	0.010 U	0.010 U	NA	NA	NA		NA	NA	NA	0.010 U	NA	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	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	
1,1-Dimethylhydrazine	NP	NA	NA	NA	NA	NA	NA	NA	0.25 U	NA	NA	0.25 U	NA	NA	NA	0.25 U	0.25 U	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Hydrazine	5*	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	0.05 U	NA	NA	NA	0.05 U	0.05 U	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylhydrazine	NP	NA	NA	NA	NA	NA	NA	NA	0.25 U	NA	NA	0.25 U	NA	NA	NA	0.25 U	0.25 U	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Field Parameters		--	7.63	7.44	8.91	7.69	7.33	7.79	7.77	7.88	11.6	7.82	5.98	7	7.61	--	7.62	--	7.71	--	--	8.07	8.02	7.72	7.67	7.60	7.45	7.93	7.09
Temperature (celsius)	--	11.55	10.18	10.75	10.02	10.43	10.24	10.25	9.84	10.75	10.64	10.99	9.99	10.64	--	10.71	--	10.57	--	--	11	12.04	10.84	10.77	10.51	10.79	9.98	10.51	
Conductivity (umhos/cm)	--	0.096	0.371	0.318	0.321	0.455	0.309	0.201	0.143	0.622	0.393	0.296	0.313	0.431	--	0.334	--	0.37	--	--	0.393	0.436	0.602	0.355	0.417	0.365	0.431	0.294	
Dissolved Oxygen (mg/L)	--	8.62	1.06	1.41	11.29	11.07	1.29	12.03	11.91	10.94	11.41	4.54	9.06	9.93	--	8.29	--	10.78	--	--	11.08	10.6	9.62	8.67	9.96	10.3	8.12	6.18	
Turbidity (NTUs)	--	10.1	9.7	11.4	14.6	6.3	19.9	6.1	9	7.1	8.8	5.1	9.0	9.4	--	6.7	--	10.2	--	--	14.9	13	10.1	11.1	14	8	9.6	2.1	
Depth To Water (feet)	--	14.02	5.21	34.00	27.91	31.81	35.51	41.46	26.75	35.54	28.12	18.82	26.41	32.68	--	48.86	--	43.56	--	--	--	--	--	--	--	--	--	--	
Ground Water Elevation (feet)	--	198.58	198.69	295.54	288.02	297.45	293.76	299.45	299.71	285.03	286.34	NC	NC	288.90		293.38		291.10	--	--	--	--	--	--	--	--	--	--	

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).

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

** Analytical concentrations are in mg/l (milligrams per liter (ppm))

7. D - Identifies all compounds analyzed at a secondary dilution factor.
8. NC - Well risers previously reduced in height, new elevation survey required.

TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2013
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.

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.

* 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.

See RI report for additional data.

TABLE 2

**SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2013
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:

Units are µg/l (ppb) unless otherwise stated.

Only detected compounds are listed.

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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.

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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 2013
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

Notes:

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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.

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TABLE 2

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2013
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action 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
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	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

Notes:

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Only detected compounds are listed.

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J = Estimated concentration.

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 2013
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial												
	Action												
DGC-3S	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	
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:

Units are µg/l (ppb) unless otherwise stated.

Only detected compounds are listed.

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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.

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TABLE 2

**SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2013
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	10/23-10/24-2012	5/14-5/15-2013	10/16-10/17-2013
DGC-3S															
Benzene	0.7*	ND	ND	ND	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	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20 J	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
DGC-4S															
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
13S															
Benzene	0.7*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND
Carbon Disulfide	None*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	4.1	3.8	3.7
Chloroform	7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.8	2.2	2.7	2.9
Trichlorofluoromethane	5*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND
Chromium	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA
Hexavalent Chromium	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA

Notes:

Units are µg/l (ppb) unless otherwise stated.

Only detected compounds are listed.

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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.

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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 2013
SEMI-ANNUAL SAMPLING**

Remedial Action													
M-27S	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
Carbon Disulfide	None*	ND	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J
Chloromethane	5	40	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	8.4 B/ND**	57.4/ND**	not sampled	ND	ND	ND	ND	ND	ND	ND	3.2 BJ	0.98B
Hexavalent Chromium	50*	NA	NA	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
Chloroform	7	ND	3	not sampled	4/4 dp	5	3	3	3	2	3	2 / 2 dp	1.8 / 1.8 dp
Chloromethane	5	4 J/28 dp	ND	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND	ND / ND dp
Trichloroethene	5											ND/ND dp	4.1/4.1 dp
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
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 /
Hexavalent Chromium	50*	NA	NA	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND dp	ND / ND dp
M-33S													
VOCs	-	not sampled	not sampled	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

Notes:

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Only detected compounds are listed.

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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 = Identifies compound analyzed at a secondary dilution factor.

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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 2013
SEMI-ANNUAL SAMPLING

	Remedial Action												
M-27S	Objective	10/26/1999	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
Carbon Disulfide	None*	ND / ND dp	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
Chloromethane	5	ND / ND dp	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND J / ND J dp	ND	ND / ND dp	ND	NA	NA
Chromium	50*	0.85B/0.90b dp	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
Hexavalent Chromium	50*	ND / ND dp	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND / ND dp	ND UJ	ND U / ND dp	ND	ND	NA
M-27D													
Carbon Tetrachloride	5	22.3	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
Chloroform	7	1.8	ND / ND dp	1.7J / 1.3 dp	1.1	1.1	0.94J	2.4	ND / ND dp	1.0	0.53 JB / 0.55 JB dp	ND	ND
Chloromethane	5	ND	ND / ND dp	ND / ND dp	ND	ND	ND	ND	ND ND dp	ND	ND ND dp	ND	ND
Trichloroethene	5	10.7	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
Trichlorofluoromethane	5*	1.4	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
Chromium	50*	0.81B	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
Hexavalent Chromium	50*	ND	ND/ND dp	ND/ND dp	ND	ND	ND	ND	ND / ND dp	ND	ND / ND dp	ND	ND
M-33S													
VOCs	-	ND	ND	ND	8.0 J	ND	ND	ND	ND	ND	ND	ND	ND
M-33I													
VOCs	-	ND	ND	ND	4.1 J	ND	ND	ND	ND	ND	ND	ND	ND

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J = Estimated concentration.

dp = Duplicate sample.

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

D = Identifies compound analyzed at a secondary dilution factor.

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** = Filtered Sample.

-- = Well Removed according to instruction by Environmental Protection Agency

TABLE 3

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2013
SEMI-ANNUAL SAMPLING

Remedial Action																		
M-27S	Objective	10/2005	5/23/2006	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	10/25-10/26/2011	5/22-5/24-2012	10/23-10/24-2012	5/14-5/15-2013	10/16-10/17-2013
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS
M-27D																		
Carbon Tetrachloride	5	13	22	12	15	10	11	9	7.6	5.8	4.2	6.9	8.3	6	5.2	4.2	5.9	1.6
Chloroform	7	ND	2	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	0.60 J	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	24	16	21	15	14	13	11	11	10	9.3	8.2	6.7	7	7.1	5.8	5	6
Trichlorofluoromethane	5*	1.0	1 J	1.0	0.9J	0.8J	0.6J	0.3 J	0.15 J	ND	ND	ND	0.13J	ND	ND	ND	0.10 J	ND
Chromium	50*	1.6 B	2.7	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	ND	ND
Hexavalent Chromium	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.010 J	10.0 U	ND	ND	ND
M-33S																		
VOCs	-	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
M-33I																		
VOCs	-	ND	ND	ND	ND	ND	NA	ND	--	--	--	--	--	--	--	--	--	--

Notes:

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Only detected compounds are listed.

NA = Not analyzed.

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.

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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 2013
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action	6/1-6/2/1992	11/18-11/19/1992	11/2004	5/24/2005	10/24/2005	5/23/2006	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	10/25-10/26/2011	5/22-5/24-2012	10/23-10/24-2012	5/14-5/15-2013	10/16-10/17-2013
4D	Objective																					
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS
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
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
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
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
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
Carbon Tetrachloride	5	--	--	--	--	--	--	--	--	--	--	--	16	13	5.5	4.9	2.6	2.4	1.3	1.0	0.50 J	0.67 J
Chloroform	7	--	--	--	--	--	--	--	--	--	--	--	0.68 J	0.43 J	0.25 J	0.25 J	0.11J	0.12J	ND	ND	ND	ND
Trichloroethene	5	--	--	--	--	--	--	--	--	--	--	--	49	39	18	19	9.5	8.8	4.8	4.2	1.8	2.8
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS

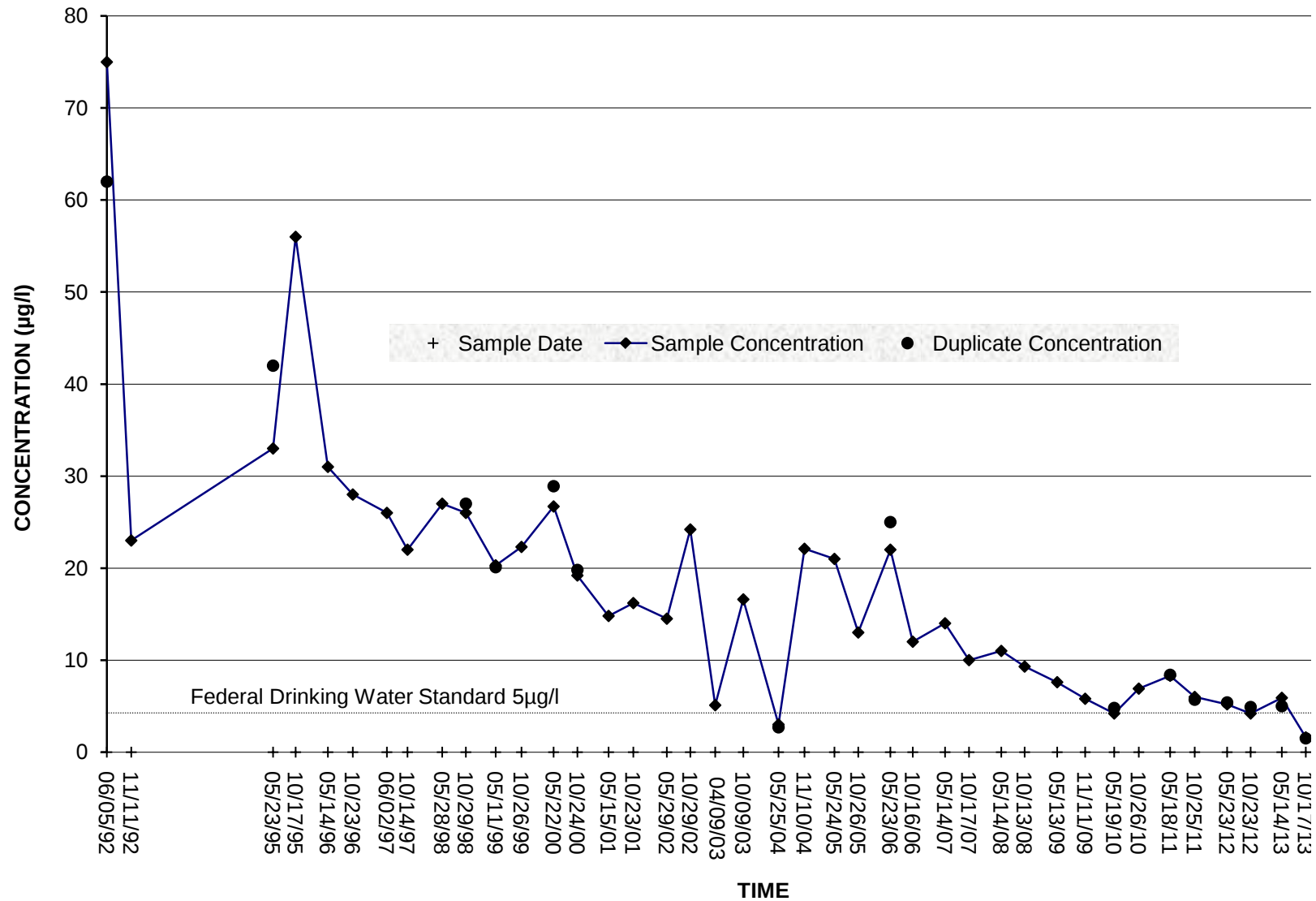
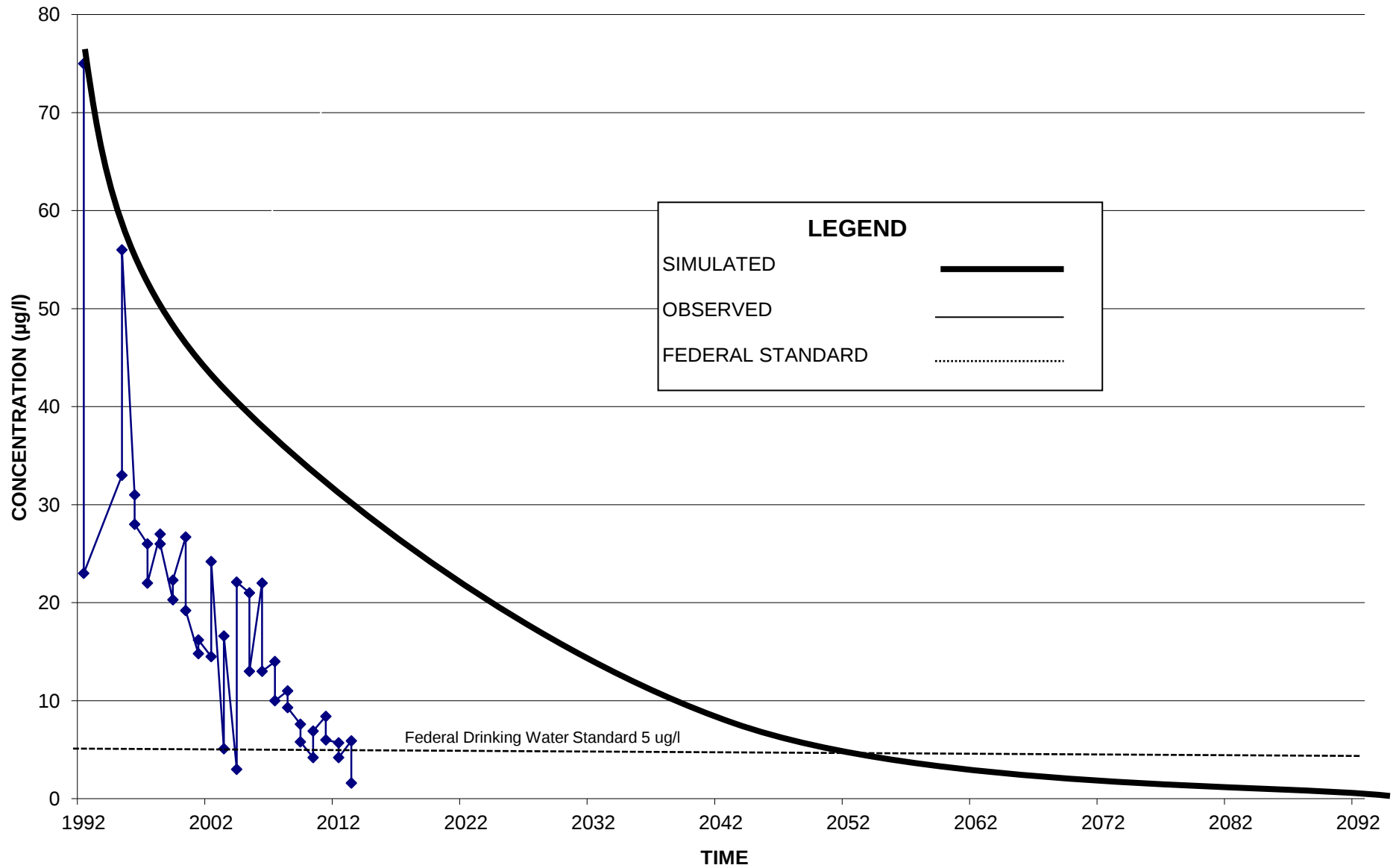


FIGURE 3
SIMULATED VERSUS OBSERVED
CARBON TETRACHLORIDE CONCENTRATIONS
AT WELL M-27D



Appendix A

Laboratory Data, Groundwater Samples

(October 2013)



November 20, 2013

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

Mr. Brian Neumann
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

Re: GE MRFA
Service Request # R1307836

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of fourteen samples were received by our laboratory on October 18, 2013.

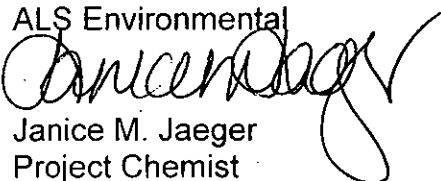
Any problems encountered with this project are addressed in a case narrative section which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. The data package and summary package have been mailed to Judy Harry and the summary package only has been e-mailed to your attention. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,

ALS Environmental


Janice M. Jaeger
Project Chemist

1 of 104

enc.

cc: Ms. Judy Harry
Data Validation Services
818 SE Downing Drive
High Springs, FL 32643

CASE NARRATIVE

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

Service Request: R1307836
Project Number:
Date Received: 10/18/13

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 10/17/13 and received at ALS on 10/18/13 at cooler temperatures of 2.8 and 3.0°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 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.

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.

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

The LCS recoveries were all acceptable.

Site specific QC was performed on M-27D and M-28S as requested. All MS/MSD recoveries and RPD's were acceptable. Please note: The MS/MSD analysis was performed slightly outside the 10 day VTSR holding time (as noted by the "**") but was performed within the 14 day holding time for Volatiles under SW-846.

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

No analytical or QC problems were encountered.

RSK-175

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

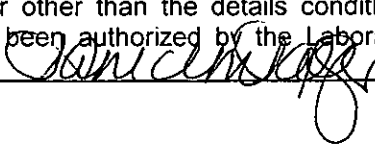
All the initial and continuing calibration criteria were met for all analytes.

The LCS recoveries were all acceptable.

Site specific QC was requested on M-27D and M-28S 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. 

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #: 149850	Batch Complete: Yes	Date Revised:
Submission: R1307836	Diskette Requested: No	Date Due: 11/8/13
Client: CB&I	Date: 11/20/13	Protocol: CLP
Client Rep: JJAEGER	Custody Seal: Present/Absent:	Shipping No.:
Project: GE MRFA.	Chain of Custody: Present/Absent:	SDG #: M-28S

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks Sample Condition
R1307836-001QC	M-28S	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
1307836-001.R01Q	M-28S	Water	CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-002	MW-1	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-003	MW-4	Water	RSK 175, CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-004	13S	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-005	13D	Water	6010C, RSK 175, CLP-VOA OLC02.1, 7196A	10/17/13	10/18/13			
R1307836-006	M-26D	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-007	M-26S	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-008	SW-B	Water	6010C, 7196A, CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-009QC	MW-27D	Water	RSK 175, 7196A, CLP-VOA OLC02.1, 6010C	10/17/13	10/18/13			
1307836-009.R01Q	MW-27D	Water	CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-010	11D	Water	RSK 175, CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-011	DUP	Water	RSK 175, CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-012	DUP-2	Water	RSK 175, 7196A, CLP-VOA OLC02.1, 6010C	10/17/13	10/18/13			
R1307836-013	TRIP BLANK 1	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-014	TRIP BLANK 2	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			

00004

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



REPORT QUALIFIERS AND DEFINITIONS

- | | |
|--|--|
| <p>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.</p> <p>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/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>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.</p> <p>* 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.</p> <p>H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% (25% for CLP) difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>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).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|--|--|



Rochester Lab ID # for State Certifications¹

NELAP Accredited	Maine ID #NY0032	New Hampshire ID #
Connecticut ID # PH0556	Nebraska Accredited	294100 A/B
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>



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	3010A
200.8	ILM05.3
6010C	3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3010A
6010 SPLP (1312) extract	3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

RIGHT SOLUTIONS | RIGHT PARTNER

Project Name MRFA		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager Brian Neumann		Report CC		PRESERVATIVE																	
Company/Address CB&I 3 British American Blvd Latham NY 12110		Phone # 518 785 2354		Email brian.neumann@cbi.com		NUMBER OF CONTAINERS GC/MS VOA's • 8260 • 824 • CLP GC/MS SVOA's • 8270 • 825 GC VOA's • 8021 • 801/602 PESTICIDES • 881 • 808 PCBs • 8082 • 608 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) OLC 02.1 RSK 175 Cr Cr +6 Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____															
Sampler's Signature 		Sampler's Printed Name Matt Dupuy		REMARKS/ ALTERNATE DESCRIPTION																	
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE TIME		MATRIX																	
M-28S		10-17-13	0840																		
M-28S MS/MSD			0840																		
MW-1			0930																		
MW-4			1010																		
13S			1100																		
13D			1145																		
M-26D			1240																		
M-26S			1315																		
SW-B			1320																		
M-27D			1410																		
M-27D MS/MSD			1410																		
SPECIAL INSTRUCTIONS/COMMENTS Metals					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: _____ RECEIVED BY _____						
STATE WHERE SAMPLES WERE COLLECTED																					
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature 		Signature 		Signature		Signature		Signature		Signature		Signature		Signature							
Printed Name J. Seward		Printed Name J. Seward		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm ALS		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time 10/18/13 0745		Date/Time 10/18/13 0745		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							







Cooler Receipt and Preservation Check Form

Project/Client CB+I Folder Number _____

Cooler received on 10/18 by: JFS COURIER: ALS ~~UPS~~ FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO - 1 was signed
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles? YES NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? ALS/ROC, CLIENT
7. Soil VOA samples received as: Bulk Jar Encore TerraCore Lab5035set N/A
8. Temperature of cooler(s) upon receipt: 2.5 _____

Is the temperature within 0° - 6° C?: Y N Y N Y N Y N Y N

If No, Explain Below Date/Time Temperatures Taken: 10/18/13 0759

Thermometer ID: IR GUN#3 / IR GUN#4 Reading From: Temp Blank / Sample Bottle

If out of Temperature, note packing/ice condition & Client Approval to Run Samples:

All Samples held in storage location Room 2 by JFS on 10/18 at 0759
5035 samples placed in storage location _____ by _____ on _____ at _____

PC Secondary Review: 10/18/13

Cooler Breakdown: Date: 10/21/13 Time: 1130 by: JFS

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			<u>503261306</u>	<u>7/14</u>				
≤2	H ₂ SO ₄								
<4	NaHSO ₄								
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)					
	Na ₂ S ₂ O ₃	-	-			*Not to be tested before analysis - pH tested and recorded by VOAs or GenChem on a separate worksheet			
	Zn Aceta	-	-						
	HCl	*	*	<u>4112100</u>	<u>9/14</u>				

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 3-212-062, 081913-2AAU, 082413-2AAW.

Other Comments: _____

PC Secondary Review: 10/22/13 significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0840
Date Received: 10/18/13
Date Analyzed: 10/27/13 13:38

Sample Name: M-28S
Lab Code: R1307836-001

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\102713\1171.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U	5.0	2.0	
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	4.7		1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	0.26	J	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0840
Date Received: 10/18/13
Date Analyzed: 10/27/13 13:38

Sample Name: M-28S
Lab Code: R1307836-001

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\102713\1171.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	8.1	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/27/13 13:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1338

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

Sample Name: M-28S
Lab Code: R1307836-001

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0930
Date Received: 10/18/13
Date Analyzed: 10/27/13 14:11

Sample Name: MW-1
Lab Code: R1307836-002

Units: µg/L
Basis: NA

Low Level Water Volatile Organic Compounds by GC/MS

Analytical Method: CLP-VOA OLC02.1
Data File Name: I:\ACQU\DATA\MSVOA6\DATA\102713\L1172.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0930
Date Received: 10/18/13
Date Analyzed: 10/27/13 14:11

Sample Name: MW-1
Lab Code: R1307836-002

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\102713\L1172.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	10/27/13 14:11	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1411

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

Sample Name: MW-1
Lab Code: R1307836-002

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1010
Date Received: 10/18/13
Date Analyzed: 10/27/13 14:47

Sample Name: MW-4
Lab Code: R1307836-003

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\102713\L1173.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1010
Date Received: 10/18/13
Date Analyzed: 10/27/13 14:47

Sample Name: MW-4
Lab Code: R1307836-003

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\102713\1173.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/27/13 14:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1447

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

Sample Name: MW-4
Lab Code: R1307836-003

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307836
 Date Collected: 10/17/13 1100
 Date Received: 10/18/13
 Date Analyzed: 10/27/13 15:24

Sample Name: 13S
 Lab Code: R1307836-004

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\102713L1174.D\

Analysis Lot: 365289
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	3.7	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1100
Date Received: 10/18/13
Date Analyzed: 10/27/13 15:24

Sample Name: 13S
Lab Code: R1307836-004

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\102713\L1174.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	2.9		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/27/13 15:24	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1524

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

Sample Name: 13S
Lab Code: R1307836-004

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1145
Date Received: 10/18/13
Date Analyzed: 10/27/13 16:00

Sample Name: 13D
Lab Code: R1307836-005

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\102713\L1175.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	0.77 J	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1145
Date Received: 10/18/13
Date Analyzed: 10/27/13 16:00

Sample Name: 13D
Lab Code: R1307836-005

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\102713\L1175.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/27/13 16:00	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1600

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

Sample Name: 13D
Lab Code: R1307836-005

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1240
Date Received: 10/18/13
Date Analyzed: 10/27/13 16:36

Sample Name: M-26D
Lab Code: R1307836-006

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\102713\L1176.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U	5.0	2.0	
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1240
Date Received: 10/18/13
Date Analyzed: 10/27/13 16:36

Sample Name: M-26D
Lab Code: R1307836-006

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\102713\L1176.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	10/27/13 16:36	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1636

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

Sample Name: M-26D
Lab Code: R1307836-006

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1315
Date Received: 10/18/13
Date Analyzed: 10/27/13 17:13

Sample Name: M-26S
Lab Code: R1307836-007

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\102713\L1177.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	3.2 J	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	0.39 J	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1315
Date Received: 10/18/13
Date Analyzed: 10/27/13 17:13

Sample Name: M-26S
Lab Code: R1307836-007

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\102713\L1177.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	80-120	10/27/13 17:13	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1713

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

Sample Name: M-26S
Lab Code: R1307836-007

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1320
Date Received: 10/18/13
Date Analyzed: 10/27/13 17:49

Sample Name: SW-B
Lab Code: R1307836-008

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\102713\L1178.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1320
Date Received: 10/18/13
Date Analyzed: 10/27/13 17:49

Sample Name: SW-B
Lab Code: R1307836-008

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\102713\L1178.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/27/13 17:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1749

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

Sample Name: SW-B
Lab Code: R1307836-008

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307836
 Date Collected: 10/17/13 1410
 Date Received: 10/18/13
 Date Analyzed: 10/28/13 11:08

Sample Name: MW-27D
 Lab Code: R1307836-009

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\102813\L1190.D\

Analysis Lot: 365291
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U	5.0	2.0	
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.6		1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1410
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:08

Sample Name: MW-27D
Lab Code: R1307836-009

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\102813\L1190.D\

Analysis Lot: 365291
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	6.0		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/28/13 11:08	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 1108

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

Sample Name: MW-27D
Lab Code: R1307836-009

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1450
Date Received: 10/18/13
Date Analyzed: 10/27/13 19:02

Sample Name: 11D
Lab Code: R1307836-010

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\102713\L1180.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	6.0	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	0.55 J	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1450
Date Received: 10/18/13
Date Analyzed: 10/27/13 19:02

Sample Name: 11D
Lab Code: R1307836-010

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\102713\L1180.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.4		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	10/27/13 19:02	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1902

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

Sample Name: 11D
Lab Code: R1307836-010

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307836
 Date Collected: 10/17/13
 Date Received: 10/18/13
 Date Analyzed: 10/27/13 19:39

Sample Name: DUP
 Lab Code: R1307836-011

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\102713\L1181.D\

Analysis Lot: 365289
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	4.5	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	0.27 J	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 19:39

Sample Name: DUP
Lab Code: R1307836-011

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\102713\L1181.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	7.6		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	80-120	10/27/13 19:39	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1939

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

Sample Name: DUP
Lab Code: R1307836-011

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
000076-13-1	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	2.12	2.8 JN

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 20:15

Sample Name: DUP-2
Lab Code: R1307836-012

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\102713\L1182.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.5	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 20:15

Sample Name: DUP-2
Lab Code: R1307836-012

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\102713\L1182.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	5.6	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	80-120	10/27/13 20:15	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 2015

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

Sample Name: DUP-2
Lab Code: R1307836-012

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307836
 Date Collected: 10/17/13
 Date Received: 10/18/13
 Date Analyzed: 10/27/13 20:51

Sample Name: TRIP BLANK 1
 Lab Code: R1307836-013

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\102713\1183.D\

Analysis Lot: 365289
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 20:51

Sample Name: TRIP BLANK 1
Lab Code: R1307836-013

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\102713\1183.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	80-120	10/27/13 20:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 2051

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

Sample Name: TRIP BLANK 1
Lab Code: R1307836-013

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 10:35

Sample Name: TRIP BLANK 2
Lab Code: R1307836-014

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\102813\L1189.D\

Analysis Lot: 365291
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 10:35

Sample Name: TRIP BLANK 2
Lab Code: R1307836-014

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\102813\L1189.D\

Analysis Lot: 365291
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/28/13 10:35	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 1035

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

Sample Name: TRIP BLANK 2
Lab Code: R1307836-014

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307836
 Date Collected: NA
 Date Received: NA
 Date Analyzed: 10/27/13 13:06

Sample Name: Method Blank
 Lab Code: RQ1314488-04

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\102713\L1170.D\

Analysis Lot: 365289
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/27/13 13:06

Sample Name: Method Blank
Lab Code: RQ1314488-04

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\102713\LI1170.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/27/13 13:06	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/27/13 1306

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

Sample Name: Method Blank
Lab Code: RQ1314488-04

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307836
 Date Collected: NA
 Date Received: NA
 Date Analyzed: 10/28/13 10:05

Sample Name: Method Blank
 Lab Code: RQ1314492-04

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\102813\LI188.D\

Analysis Lot: 365291
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/13 10:05

Sample Name: Method Blank
Lab Code: RQ1314492-04

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\102813\1188.D\

Analysis Lot: 365291
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	10/28/13 10:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/13 1005

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

Sample Name: Method Blank
Lab Code: RQ1314492-04

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/13 23:23

Sample Name: Method Blank
Lab Code: RQ1314565-04

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\102813\L1214.D\

Analysis Lot: 365549
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/13 23:23

Sample Name: Method Blank
Lab Code: RQ1314565-04

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\102813\L1214.D\

Analysis Lot: 365549
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	80-120	10/28/13 23:23	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/13 2323

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

Sample Name: Method Blank
Lab Code: RQ1314565-04

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/29/13

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

Sample Name: M-28S
Lab Code: R1307836-001
Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

Analyte Name	Sample Result	M-28SMS Matrix Spike RQ1314565-05			M-28SDMS Duplicate Matrix Spike RQ1314565-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,2-Trichloroethane	ND	4.75	5.00	95	4.71	5.00	94	60 - 140	<1	30
1,2-Dibromoethane	ND	4.93	5.00	99	4.96	5.00	99	60 - 140	<1	30
1,2-Dichloroethane	ND	5.08	5.00	102	5.25	5.00	105	60 - 140	3	30
1,2-Dichloropropane	ND	5.29	5.00	106	5.47	5.00	109	60 - 140	3	30
1,4-Dichlorobenzene	ND	5.05	5.00	101	5.14	5.00	103	60 - 140	2	30
Benzene	ND	5.36	5.00	107	5.42	5.00	108	60 - 140	1	30
Bromoform	ND	4.54	5.00	91	5.04	5.00	101	60 - 140	10	30
Carbon Tetrachloride	4.7	10.8	5.00	120	10.8	5.00	121	60 - 140	<1	30
cis-1,3-Dichloropropene	ND	4.11	5.00	82	4.16	5.00	83	60 - 140	1	30
Tetrachloroethene (PCE)	ND	5.27	5.00	105	5.04	5.00	101	60 - 140	4	30
Trichloroethene (TCE)	8.1	14.0	5.00	116	13.5	5.00	108	60 - 140	3	30
Vinyl Chloride	ND	5.38	5.00	108	5.42	5.00	108	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/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/29/13

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

Sample Name: MW-27D
Lab Code: R1307836-009
Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

Analyte Name	Sample Result	MW-27DMS Matrix Spike RQ1314565-07			MW-27DDMS Duplicate Matrix Spike RQ1314565-08			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,2-Trichloroethane	ND	4.67	5.00	93	5.08	5.00	102	60 - 140	8	30
1,2-Dibromoethane	ND	4.93	5.00	99	5.02	5.00	100	60 - 140	2	30
1,2-Dichloroethane	ND	5.26	5.00	105	5.59	5.00	112	60 - 140	6	30
1,2-Dichloropropane	ND	5.54	5.00	111	5.57	5.00	111	60 - 140	<1	30
1,4-Dichlorobenzene	ND	5.24	5.00	105	5.28	5.00	106	60 - 140	<1	30
Benzene	ND	5.51	5.00	110	5.49	5.00	110	60 - 140	<1	30
Bromoform	ND	4.78	5.00	96	4.94	5.00	99	60 - 140	3	30
Carbon Tetrachloride	1.6	7.41	5.00	116	7.18	5.00	112	60 - 140	3	30
cis-1,3-Dichloropropene	ND	4.25	5.00	85	4.29	5.00	86	60 - 140	<1	30
Tetrachloroethene (PCE)	ND	5.01	5.00	100	4.95	5.00	99	60 - 140	1	30
Trichloroethene (TCE)	6.0	11.7	5.00	114	11.8	5.00	117	60 - 140	1	30
Vinyl Chloride	ND	5.43	5.00	109	5.36	5.00	107	60 - 140	1	30

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

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Analyzed: 10/27/13

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: 365289

Lab Control Sample
RQ1314488-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,2-Trichloroethane	4.74	5.00	95	60 - 140
1,2-Dibromoethane	4.61	5.00	92	60 - 140
1,2-Dichloroethane	4.92	5.00	98	60 - 140
1,2-Dichloropropane	4.89	5.00	98	60 - 140
1,4-Dichlorobenzene	5.08	5.00	102	60 - 140
Benzene	4.85	5.00	97	60 - 140
Bromoform	4.91	5.00	98	60 - 140
Carbon Tetrachloride	4.97	5.00	99	60 - 140
cis-1,3-Dichloropropene	4.74	5.00	95	60 - 140
Tetrachloroethene (PCE)	5.03	5.00	101	60 - 140
Trichloroethene (TCE)	4.75	5.00	95	60 - 140
Vinyl Chloride	5.00	5.00	100	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.

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Analyzed: 10/28/13

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: 365291

Lab Control Sample
RQ1314492-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,2-Trichloroethane	4.48	5.00	90	60 - 140
1,2-Dibromoethane	4.51	5.00	90	60 - 140
1,2-Dichloroethane	4.96	5.00	99	60 - 140
1,2-Dichloropropane	4.62	5.00	92	60 - 140
1,4-Dichlorobenzene	4.95	5.00	99	60 - 140
Benzene	4.50	5.00	90	60 - 140
Bromoform	4.72	5.00	94	60 - 140
Carbon Tetrachloride	4.46	5.00	89	60 - 140
cis-1,3-Dichloropropene	4.50	5.00	90	60 - 140
Tetrachloroethene (PCE)	4.64	5.00	93	60 - 140
Trichloroethene (TCE)	4.44	5.00	89	60 - 140
Vinyl Chloride	4.90	5.00	98	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.

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Analyzed: 10/28/13

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: 365549

Lab Control Sample
RQ1314565-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,2-Trichloroethane	4.89	5.00	98	60 - 140
1,2-Dibromoethane	5.15	5.00	103	60 - 140
1,2-Dichloroethane	5.20	5.00	104	60 - 140
1,2-Dichloropropane	5.17	5.00	103	60 - 140
1,4-Dichlorobenzene	5.24	5.00	105	60 - 140
Benzene	5.25	5.00	105	60 - 140
Bromoform	4.86	5.00	97	60 - 140
Carbon Tetrachloride	5.56	5.00	111	60 - 140
cis-1,3-Dichloropropene	5.16	5.00	103	60 - 140
Tetrachloroethene (PCE)	5.42	5.00	108	60 - 140
Trichloroethene (TCE)	5.29	5.00	106	60 - 140
Vinyl Chloride	5.28	5.00	106	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**Analytical Report**

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0840
Date Received: 10/18/13
Date Analyzed: 10/28/13 10:35

Sample Name: M-28S
Lab Code: R1307836-001

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1004.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0930
Date Received: 10/18/13
Date Analyzed: 10/28/13 10:57

Sample Name: MW-1
Lab Code: R1307836-002

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1005.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1010
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:08

Sample Name: MW-4
Lab Code: R1307836-003

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1006.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1100
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:18

Sample Name: 13S
Lab Code: R1307836-004

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1007.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1145
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:28

Sample Name: 13D
Lab Code: R1307836-005

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1008.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1240
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:39

Sample Name: M-26D
Lab Code: R1307836-006

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1009.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1315
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:49

Sample Name: M-26S
Lab Code: R1307836-007

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1010.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1320
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:00

Sample Name: SW-B
Lab Code: R1307836-008

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1011.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1410
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:24

Sample Name: MW-27D
Lab Code: R1307836-009

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1013.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1450
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:35

Sample Name: 11D
Lab Code: R1307836-010

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1014.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:45

Sample Name: DUP
Lab Code: R1307836-011

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1015.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:55

Sample Name: DUP-2
Lab Code: R1307836-012

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1016.run

Analysis Lot: 365460
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
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307836
 Date Collected: 10/17/13
 Date Received: 10/18/13
 Date Analyzed: 10/28/13 13:06

Sample Name: TRIP BLANK 1
 Lab Code: R1307836-013

Units: µg/L
 Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
 Data File Name: 1017.run

Analysis Lot: 365460
 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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 13:16

Sample Name: TRIP BLANK 2
Lab Code: R1307836-014

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1018.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/13 10:05

Sample Name: Method Blank
Lab Code: RQ1313491-01

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1001.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: NA
Date Received: NA
Date Analyzed: 10/29/13 12:18

Sample Name: Method Blank
Lab Code: RQ1313569-01

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1023.run

Analysis Lot: 365712
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

QA/QC Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/29/13

Matrix Spike Summary
Dissolved Gases by GC/FID

Sample Name: M-28S
Lab Code: R1307836-001

Units: µg/L
Basis: NA

Analytical Method: RSK 175

Analyte Name	Sample Result	M-28SMS Matrix Spike RQ1313569-05			M-28SDMS Duplicate Matrix Spike RQ1313569-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ethane	ND	47.0	52.0	90	47.2	52.0	91	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/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/29/13

Matrix Spike Summary
Dissolved Gases by GC/FID

Sample Name: MW-27D
Lab Code: R1307836-009

Units: µg/L
Basis: NA

Analytical Method: RSK 175

Analyte Name	Sample Result	MW-27DMS Matrix Spike RQ1313569-03			MW-27DDMS Duplicate Matrix Spike RQ1313569-04			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ethane	ND	46.8	52.0	90	47.7	52.0	92	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/149850
Sample Matrix: Water

Service Request: R1307836
Date Analyzed: 10/28/13

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 365460

Analyte Name	Lab Control Sample RQ1313491-02			Duplicate Lab Control Sample RQ1313491-03			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ethane	24.2	26.1	93	24.0	26.1	92	78 - 134	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

QA/QC Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Analyzed: 10/29/13

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 365712

Lab Control Sample
RQ1313569-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethane	25.3	26.1	97	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: R1307836SDG No.: M-28S

Lab Code: _____

Case No.: _____

SAS No.: _____

SOW No.: SW846 CLP-MSample ID.Lab Sample No.13DR1307836-005SW-BR1307836-008MW-27DR1307836-009MW-27DDR1307836-009DMW-27DSR1307836-009SDUP-2R1307836-012

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?

Yes/No YESIf yes-were raw data generated before
application of background corrections?Yes/No NOComments: See Attached Case Narrative

Signature: _____

Name: Michael PerryDate: 11/20/13Title: Laboratory Director

000086

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

13D

Contract: R1307836

Lab Code: _____

Case No.: _____

SAS No.: _____

SDG NO.: M-28S

Matrix (soil/water): WATER

Lab Sample ID: R1307836-005

Level (low/med): LOW

Date Received: 10/18/2013

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	8.0	J		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

00087

METALS

-I-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Contract: R1307836

Lab Code: _____

Case No.: _____

SAS No.: _____

SDG NO.: M-28S

Matrix (soil/water): WATER

Lab Sample ID: R1307836-012

Level (low/med): LOW

Date Received: 10/18/2013

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.816	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

00088

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-27D

Contract: R1307836

Lab Code: _____

Case No.: _____

SAS No.: _____

SDG NO.: M-28S

Matrix (soil/water): WATER

Lab Sample ID: R1307836-009

Level (low/med): LOW

Date Received: 10/18/2013

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.816	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

00089

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-B

Contract: R1307836

Lab Code: _____

Case No.: _____

SAS No.: _____

SDG NO.: M-28S

Matrix (soil/water): WATER

Lab Sample ID: R1307836-008

Level (low/med): LOW

Date Received: 10/18/2013

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.816	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

METALS

-3-

BLANKS

Contract: R1307836

Lab Code: Case No.: SAS No.: SDG NO.: M-28S

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	C	2	C	3	C			
Chromium	0.82 U	0.82	U	0.82	U	0.82	U	0.855	J	P

Comments:

METALS

-3-

BLANKS

Contract: R1307836

Lab Code: Case No.: SAS No.: SDG NO.: M-28S

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	C	2	C	3	C			
Chromium		0.82	U	0.98	J					P

Comments:

00092

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-27DS

Contract: R1307836

Lab Code: _____

Case No.: _____

SAS No.: _____

SDG NO.: M-28S

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	212.00		0.82	U	200.0	106		P

Comments: _____

00033

METALS
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-27AL

Contract: R1307836

Lab Code: Case No.: SAS No.: SDG NO.: M-28S

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		206.00		0.82	U	200.0	103		P

Comments:

METALS
-6-
DUPLICATES

SAMPLE NO.

MW-27DD

Contract: R1307836

Lab Code: Case No.: SAS No.: SDG NO.: M-28S

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		0.82 U	0.82 U			P

Comments:

00095

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R1307836

Lab Code: Case No.: SAS No.: SDG NO.: M-28S

Solid LCS Source:

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L)			Solid (mg/K)				
	True	Found	%R	True	Found	C	Limits	%R
Chromium	200	210	105					

Comments:

00036

ALS Group USA, Corp. dba ALS Environmental**Analytical Report**

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water
Sample Name: 13D
Lab Code: R1307836-005

Service Request: R1307836
Date Collected: 10/17/13 1145
Date Received: 10/18/13

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	10/18/13 09:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water
 Sample Name: SW-B
 Lab Code: R1307836-008

Service Request: R1307836
 Date Collected: 10/17/13 1320
 Date Received: 10/18/13

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	10/18/13 09:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water
 Sample Name: MW-27D
 Lab Code: R1307836-009

Service Request: R1307836
 Date Collected: 10/17/13 1410
 Date Received: 10/18/13

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	10/18/13 09:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water
 Sample Name: DUP-2
 Lab Code: R1307836-012

Service Request: R1307836
 Date Collected: 10/17/13
 Date Received: 10/18/13

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	10/18/13 09:54	*

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water
 Sample Name: Method Blank
 Lab Code: R1307836-MB

Service Request: R1307836
 Date Collected: NA
 Date Received: NA
 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	10/18/13 09:47	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/18/13

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-27D
Lab Code: R1307836-009

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	Sample Result	MW-27DDUP Duplicate Sample R1307836-009DUP		RPD	RPD Limit
				Result	Average		
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/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/18/13

Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-27D
Lab Code: R1307836-009

Units: mg/L
Basis: NA

Analytical Method: 7196A

MW-27DMS
Matrix Spike
R1307836-009MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	ND	0.101	0.100	101	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/149850
Sample Matrix: Water

Service Request: R1307836
Date Analyzed: 10/18/13

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Lab Control Sample R1307836-LCS					
Analyte Name	Method	Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	7196A	0.0956	0.100	96	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.



November 14, 2013

Mr. Brian Neumann
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

Re: GE MRFA Project #149850
Service Request # R1307796

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

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of twelve samples were received by our laboratory on October 17, 2013.

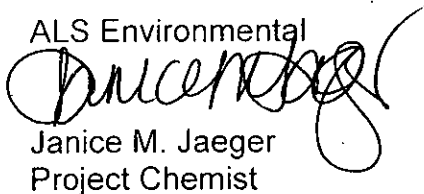
Any problems encountered with this project are addressed in a case narrative section which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. The data package and summary package have been mailed to Judy Harry and the summary package only has been e-mailed to your attention. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,

ALS Environmental



Janice M. Jaeger
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
818 SE Downing Drive
High Springs, FL 32643

CASE NARRATIVE

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

Service Request: R1307796
Project Number: 149850
Date Received: 10/17/13

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 10/16/13 and received at ALS on 10/17/13 at a cooler temperature of 0.9°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.

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.

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

The LCS recoveries were all acceptable.

Site specific QC was not requested on these samples.

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

No analytical or QC problems were encountered.

RSK-175

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

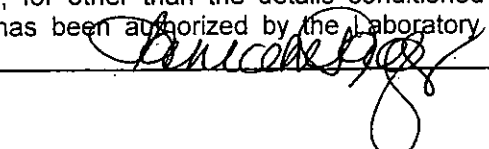
All the initial and continuing calibration criteria were met for all analytes.

The LCS recoveries were all acceptable.

Site specific QC was not requested on these samples.

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. 

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #: 149850	Batch Complete: Yes	Date Revised:
Submission: R1307796	Diskette Requested: No	Date Due: 11/7/13
Client: CB&I	Date: 10/22/13	Protocol: EPA
Client Rep: JJAEGGER	Custody Seal: Present/Absent:	Shipping No.:
Project: GE MRFA	Chain of Custody: Present/Absent:	SDG #: DGC-4S

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks Sample Condition
R1307796-001	DGC-4S	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-002	SW-A	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-003	DGC3S	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-004	SW-E	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-005	SW-G	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-006	SW-F	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-007	SW-D	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-008	M-25D	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-009	M 29D	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-010	M-24DR	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-011	10S	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-012	TRIP BLANK	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-013	COOLER BLANK	Water	CLP-VOA OLC02.1	10/16/13	10/17/13			

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

REPORT QUALIFIERS AND DEFINITIONS

- | | |
|---|--|
| <p>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.</p> <p>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/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>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.</p> <p>* 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.</p> <p>H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% (25% for CLP) difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>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).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|---|--|



Rochester Lab ID # for State Certifications¹

NELAP Accredited	Maine ID #NY0032	New Hampshire ID #
Connecticut ID # PH0556	Nebraska Accredited	294100 A/B
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>

Project Name MRFA		Project Number 149850		ANALYSIS REQUESTED (Include Method Number and Container Preservative)													
Project Manager Brian Neumann		Report CC		PRESERVATIVE													
Company/Address CB+I 13 British American Blvd Latham NY		Phone # 518 785 2354		Email brian.neumann@cbi.com		NUMBER OF CONTAINERS GC/MS VOAs • 8260 • 824 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8061 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) OLC 02.1 RSK 175 PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____											
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Matt Dopy															
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX												
DGC-4S		10-16-13		0910	GW												
SW-A				0940													
DGC-3S				1010													
SW-E				1050													
SW-G				1030													
SW-F				1100													
SW-D				1120													
M-25D				1215													
M-29D				1250													
M-24DR				1330													
10S				1420													

SPECIAL INSTRUCTIONS/COMMENTS

Metals

2 Trip Blanks, one for each analysis → Run Trip Blanks

See QAPP ☐

TURNAROUND REQUIREMENTS

____ RUSH (SURCHARGES APPLY)

____ 1 day ____ 2 day ____ 3 day

____ 4 day ____ 5 day

REQUESTED REPORT DATE
Standard

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 <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature	Signature	Signature	Signature		
Printed Name Gregory D. Esmerian	Printed Name Gregory D. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name		
Firm ALS	Firm ALS	Firm	Firm	Firm	Firm		
Date/Time 10-12-13 9:15	Date/Time 10-12-13 9:15	Date/Time	Date/Time	Date/Time	Date/Time		



Cooler Receipt and Preservation Check Form

Project/Client CB-I Folder Number R13-7796

Cooler received on 10-17-13 by: ME COURIER: ALS UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles? YES NO N/A
5. Were Ice of Ice packs present? YES NO
6. Where did the bottles originate? ALS/ROC CLIENT
7. Soil VOA samples received as: Bulk Jar Encore TerraCore Lab5035set N/A
8. Temperature of cooler(s) upon receipt: 0.9

Is the temperature within 0° - 6° C?: Y N Y N Y N Y N Y N

If No, Explain Below Date/Time Temperatures Taken: 10-17-13 @ 9:47

Thermometer ID: IR GUN#3 IR GUN#4 Reading From: Temp Blank / Sample Bottle

If out of Temperature, note packing/ice condition & Client Approval to Run Samples:

All Samples held in storage location R-002 by ME on 10-17-13 at 09:50
5035 samples placed in storage location _____ by _____ on _____ at _____

PC Secondary Review: 10/21/13

Cooler Breakdown: Date: 10/21/13 Time: 1320 by: AD

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	Yes = All samples OK
≥12	NaOH									
≤2	HNO ₃									
≤2	H ₂ SO ₄									
<4	NaHSO ₄									
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)						No = Samples were preserved at lab as listed PM OK to Adjust:
	Na ₂ S ₂ O ₃	-	-							
	Zn Aceta	-	-							
	HCl	*	*	<u>4/12/10</u>	<u>9/14</u>					

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

Bottle lot numbers: 3-212-002

Other Comments:

PC Secondary Review: 10/22/13 Significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307796
 Date Collected: 10/16/13 0910
 Date Received: 10/17/13
 Date Analyzed: 10/26/13 20:53

Sample Name: DGC-4S
 Lab Code: R1307796-001

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\102613\1152.D\

Analysis Lot: 365264
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/26/13 20:53

Sample Name: DGC-4S
Lab Code: R1307796-001

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\102613\1152.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/26/13 20:53	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2053

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

Sample Name: DGC-4S
Lab Code: R1307796-001

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307796
 Date Collected: 10/16/13 0940
 Date Received: 10/17/13
 Date Analyzed: 10/26/13 21:29

Sample Name: SW-A
 Lab Code: R1307796-002

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\102613\L1153.D\

Analysis Lot: 365264
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0940
Date Received: 10/17/13
Date Analyzed: 10/26/13 21:29

Sample Name: SW-A
Lab Code: R1307796-002

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\102613\1153.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/26/13 21:29	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2129

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

Sample Name: SW-A
Lab Code: R1307796-002

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1010
Date Received: 10/17/13
Date Analyzed: 10/26/13 22:06

Sample Name: DGC3S
Lab Code: R1307796-003

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\102613\1154.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1010
Date Received: 10/17/13
Date Analyzed: 10/26/13 22:06

Sample Name: DGC3S
Lab Code: R1307796-003

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\102613\1154.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/26/13 22:06	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2206

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

Sample Name: DGC3S
Lab Code: R1307796-003

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1050
Date Received: 10/17/13
Date Analyzed: 10/26/13 22:42

Sample Name: SW-E
Lab Code: R1307796-004

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\102613\L1155.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1050
Date Received: 10/17/13
Date Analyzed: 10/26/13 22:42

Sample Name: SW-E
Lab Code: R1307796-004

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\102613\1155.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	10/26/13 22:42	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2242

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

Sample Name: SW-E
Lab Code: R1307796-004

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1030
Date Received: 10/17/13
Date Analyzed: 10/26/13 23:17

Sample Name: SW-G
Lab Code: R1307796-005

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\102613\L1156.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1030
Date Received: 10/17/13
Date Analyzed: 10/26/13 23:17

Sample Name: SW-G
Lab Code: R1307796-005

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\102613\1156.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/26/13 23:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2317

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

Sample Name: SW-G
Lab Code: R1307796-005

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307796
 Date Collected: 10/16/13 1100
 Date Received: 10/17/13
 Date Analyzed: 10/26/13 23:54

Sample Name: SW-F
 Lab Code: R1307796-006

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\102613\L1157.D\

Analysis Lot: 365264
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1100
Date Received: 10/17/13
Date Analyzed: 10/26/13 23:54

Sample Name: SW-F
Lab Code: R1307796-006

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\102613\L1157.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	80-120	10/26/13 23:54	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2354

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

Sample Name: SW-F
Lab Code: R1307796-006

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1120
Date Received: 10/17/13
Date Analyzed: 10/27/13 00:30

Sample Name: SW-D
Lab Code: R1307796-007

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\102613\L1158.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1120
Date Received: 10/17/13
Date Analyzed: 10/27/13 00:30

Sample Name: SW-D
Lab Code: R1307796-007

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\102613\L1158.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	10/27/13 00:30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0030

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

Sample Name: SW-D
Lab Code: R1307796-007

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307796
 Date Collected: 10/16/13 1215
 Date Received: 10/17/13
 Date Analyzed: 10/27/13 01:05

Sample Name: M-25D
 Lab Code: R1307796-008

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\102613\L1159.D\

Analysis Lot: 365264
 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	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.50	
79-00-5	1,1,2-Trichloroethane	2.5 U	2.5	0.75	
75-34-3	1,1-Dichloroethane (1,1-DCA)	2.5 U	2.5	0.50	
75-35-4	1,1-Dichloroethene (1,1-DCE)	2.5 U	2.5	0.75	
87-61-6	1,2,3-Trichlorobenzene	2.5 U	2.5	0.75	
120-82-1	1,2,4-Trichlorobenzene	2.5 U	2.5	0.50	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.5 U	2.5	1.5	
106-93-4	1,2-Dibromoethane	2.5 U	2.5	0.75	
107-06-2	1,2-Dichloroethane	2.5 U	2.5	0.50	
95-50-1	1,2-Dichlorobenzene	2.5 U	2.5	0.75	
78-87-5	1,2-Dichloropropane	2.5 U	2.5	0.50	
541-73-1	1,3-Dichlorobenzene	2.5 U	2.5	0.75	
106-46-7	1,4-Dichlorobenzene	2.5 U	2.5	0.50	
78-93-3	2-Butanone (MEK)	13 U	13	5.0	
591-78-6	2-Hexanone	13 U	13	5.0	
108-10-1	4-Methyl-2-pentanone	13 U	13	5.0	
67-64-1	Acetone	13 U	13	5.0	
71-43-2	Benzene	2.5 U	2.5	0.50	
74-97-5	Bromochloromethane	2.5 U	2.5	0.75	
75-27-4	Bromodichloromethane	2.5 U	2.5	0.50	
75-25-2	Bromoform	2.5 U	2.5	0.75	
74-83-9	Bromomethane	2.5 U	2.5	0.75	
75-15-0	Carbon Disulfide	2.5 U	2.5	0.75	
56-23-5	Carbon Tetrachloride	25	2.5	0.50	
108-90-7	Chlorobenzene	2.5 U	2.5	0.50	
75-00-3	Chloroethane	2.5 U	2.5	1.0	
67-66-3	Chloroform	1.2 J	2.5	0.50	
74-87-3	Chloromethane	2.5 U	2.5	0.75	
156-59-2	cis-1,2-Dichloroethene	2.5 U	2.5	0.50	
10061-01-5	cis-1,3-Dichloropropene	2.5 U	2.5	0.75	
124-48-1	Dibromochloromethane	2.5 U	2.5	0.50	
100-41-4	Ethylbenzene	2.5 U	2.5	0.50	
87-68-3	Hexachlorobutadiene	2.5 U	2.5	0.75	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1215
Date Received: 10/17/13
Date Analyzed: 10/27/13 01:05

Sample Name: M-25D
Lab Code: R1307796-008

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\102613\L1159.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 2.5

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	2.5 U	2.5	0.75	
75-09-2	Dichloromethane (Methylene Chloride)	2.5 U	2.5	0.75	
95-47-6	o-Xylene	2.5 U	2.5	0.75	
100-42-5	Styrene	2.5 U	2.5	0.75	
127-18-4	Tetrachloroethene (PCE)	2.5 U	2.5	0.50	
108-88-3	Toluene	2.5 U	2.5	0.25	
156-60-5	trans-1,2-Dichloroethene	2.5 U	2.5	0.50	
10061-02-6	trans-1,3-Dichloropropene	2.5 U	2.5	0.75	
79-01-6	Trichloroethene (TCE)	57	2.5	0.50	
75-69-4	Trichlorofluoromethane (CFC 11)	2.5 U	2.5	0.50	
75-01-4	Vinyl Chloride	2.5 U	2.5	0.75	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/27/13 01:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0105

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

Sample Name: M-25D
Lab Code: R1307796-008

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1250
Date Received: 10/17/13
Date Analyzed: 10/27/13 01:41

Sample Name: M 29D
Lab Code: R1307796-009

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\102613\L1160.D\

Analysis Lot: 365264
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)	3.7	1.0	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	18	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	0.63 J	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1250
Date Received: 10/17/13
Date Analyzed: 10/27/13 01:41

Sample Name: M 29D
Lab Code: R1307796-009

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\102613\L1160.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	23	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	10/27/13 01:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0141

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

Sample Name: M 29D
Lab Code: R1307796-009

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1330
Date Received: 10/17/13
Date Analyzed: 10/27/13 02:17

Sample Name: M-24DR
Lab Code: R1307796-010

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\102613\L1161.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	2.4 J	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	0.67 J	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1330
Date Received: 10/17/13
Date Analyzed: 10/27/13 02:17

Sample Name: M-24DR
Lab Code: R1307796-010

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\102613\1161.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	2.8	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	10/27/13 02:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0217

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

Sample Name: M-24DR
Lab Code: R1307796-010

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1420
Date Received: 10/17/13
Date Analyzed: 10/27/13 02:53

Sample Name: 10S
Lab Code: R1307796-011

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\102613\L1162.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	0.20 J	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	0.65 J	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1420
Date Received: 10/17/13
Date Analyzed: 10/27/13 02:53

Sample Name: 10S
Lab Code: R1307796-011

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\102613\L1162.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/27/13 02:53	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0253

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

Sample Name: 10S
Lab Code: R1307796-011

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/27/13 03:29

Sample Name: TRIP BLANK
Lab Code: R1307796-012

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\102613\L1163.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/27/13 03:29

Sample Name: TRIP BLANK
Lab Code: R1307796-012

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\102613\L1163.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/27/13 03:29	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0329

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

Sample Name: TRIP BLANK
Lab Code: R1307796-012

Analytical Method: CLP-VOA OLC02.1

Units: µg/L
Basis: NA

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 04:05

Sample Name: COOLER BLANK
Lab Code: R1307796-013

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\102613\1164.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 04:05

Sample Name: COOLER BLANK
Lab Code: R1307796-013

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\102613\L1164.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	10/27/13 04:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0405

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

Sample Name: COOLER BLANK
Lab Code: R1307796-013

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307796
 Date Collected: NA
 Date Received: NA
 Date Analyzed: 10/26/13 20:18

Sample Name: Method Blank
 Lab Code: RQ1314038-05

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\102613\1151.D\

Analysis Lot: 365264
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: NA
Date Received: NA
Date Analyzed: 10/26/13 20:18

Sample Name: Method Blank
Lab Code: RQ1314038-05

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\102613\L1151.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	10/26/13 20:18	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: NA
Date Received: NA
Date Analyzed: 10/26/13 2018

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

Sample Name: Method Blank
Lab Code: RQ1314038-05

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796

Date Analyzed: 10/26/13

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: 365264

Analyte Name	Lab Control Sample RQ1314038-03			Duplicate Lab Control Sample RQ1314038-04			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,2-Trichloroethane	4.91	5.00	98	4.79	5.00	96	60 - 140	2	30
1,2-Dibromoethane	5.16	5.00	103	4.69	5.00	94	60 - 140	10	30
1,2-Dichloroethane	5.25	5.00	105	5.08	5.00	102	60 - 140	3	30
1,2-Dichloropropane	5.08	5.00	102	4.94	5.00	99	60 - 140	3	30
1,4-Dichlorobenzene	5.19	5.00	104	5.19	5.00	104	60 - 140	<1	30
Benzene	5.13	5.00	103	5.07	5.00	101	60 - 140	1	30
Bromoform	4.91	5.00	98	4.87	5.00	97	60 - 140	<1	30
Carbon Tetrachloride	5.18	5.00	104	5.02	5.00	100	60 - 140	3	30
cis-1,3-Dichloropropene	4.90	5.00	98	4.55	5.00	91	60 - 140	7	30
Tetrachloroethene (PCE)	5.07	5.00	101	4.93	5.00	99	60 - 140	3	30
Trichloroethene (TCE)	5.11	5.00	102	5.01	5.00	100	60 - 140	2	30
Vinyl Chloride	5.16	5.00	103	5.18	5.00	104	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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/25/13 13:21

Sample Name: DGC-4S
Lab Code: R1307796-001

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1008.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0940
Date Received: 10/17/13
Date Analyzed: 10/25/13 13:31

Sample Name: SW-A
Lab Code: R1307796-002

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1009.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1010
Date Received: 10/17/13
Date Analyzed: 10/25/13 13:42

Sample Name: DGC3S
Lab Code: R1307796-003

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1010.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1050
Date Received: 10/17/13
Date Analyzed: 10/25/13 13:52

Sample Name: SW-E
Lab Code: R1307796-004

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1011.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1030
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:02

Sample Name: SW-G
Lab Code: R1307796-005

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1012.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1100
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:24

Sample Name: SW-F
Lab Code: R1307796-006

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1014.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1120
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:36

Sample Name: SW-D
Lab Code: R1307796-007

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1015.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1215
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:46

Sample Name: M-25D
Lab Code: R1307796-008

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1016.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1250
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:57

Sample Name: M 29D
Lab Code: R1307796-009

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1017.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1330
Date Received: 10/17/13
Date Analyzed: 10/25/13 15:07

Sample Name: M-24DR
Lab Code: R1307796-010

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1018.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1420
Date Received: 10/17/13
Date Analyzed: 10/25/13 15:17

Sample Name: 10S
Lab Code: R1307796-011

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1019.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/25/13 15:27

Sample Name: TRIP BLANK
Lab Code: R1307796-012

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1020.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: NA
Date Received: NA
Date Analyzed: 10/25/13 11:30

Sample Name: Method Blank
Lab Code: RQ1313571-01

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1003.run

Analysis Lot: 365716
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

QA/QC Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Analyzed: 10/25/13

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 365716

Analyte Name	Lab Control Sample RQ1313571-02			Duplicate Lab Control Sample RQ1313571-03			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ethane	21.9	26.1	84	23.5	26.1	90	78 - 134	7	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.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Shaw Env & Infrastructure, Inc
PO BOX 98519
Baton Rouge LA 70884

October 30, 2013

Project: MRFA

Submittal Date: 10/18/2013

Group Number: 1427527

SDG: RFA05

PO Number: 858932-000 OP

State of Sample Origin: NY

Client Sample Description

M-28S Composite Groundwater
MW-4 Composite Groundwater
M-26S Composite Groundwater
DUP Composite Groundwater

Lancaster Labs (LL)

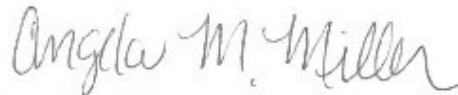
7242823
7242824
7242825
7242826

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC Shaw Env & Infrastructure
COPY TO
ELECTRONIC Data Package Group
COPY TO

Attn: Brian Neumann

Respectfully Submitted,



Angela M. Miller
Specialist

(717) 556-7260

Sample Description: M-28S Composite Groundwater
MRFA

LL Sample # WW 7242823
LL Group # 1427527
Account # 01401

Project Name: MRFA

Collected: 10/17/2013 08:40 by MD

Shaw Env & Infrastructure, Inc

PO BOX 98519

Submitted: 10/18/2013 09:25

Baton Rouge LA 70884

Reported: 10/30/2013 13:18

M-28S SDG#: RFA05-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Misc. Organics		SW-846 8315A modified	ug/l	ug/l	ug/l	
10342	1,1-Dimethylhydrazine	57-14-7	N.D.	0.25	0.50	1
10342	Hydrazine	302-01-2	N.D.	0.050	0.10	1
10342	Methylhydrazine	60-34-4	N.D.	0.25	0.50	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10342	Hydrazines in Water	SW-846 8315A modified	1	13295005	10/29/2013 14:22	Meng Yu	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-4 Composite Groundwater
MRFA

LL Sample # WW 7242824
LL Group # 1427527
Account # 01401

Project Name: MRFA

Collected: 10/17/2013 10:10 by MD

Shaw Env & Infrastructure, Inc

PO BOX 98519

Submitted: 10/18/2013 09:25

Baton Rouge LA 70884

Reported: 10/30/2013 13:18

MW-4- SDG#: RFA05-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Misc. Organics		SW-846 8315A modified	ug/l	ug/l	ug/l	
10342	1,1-Dimethylhydrazine	57-14-7	N.D.	0.25	0.50	1
10342	Hydrazine	302-01-2	N.D.	0.050	0.10	1
10342	Methylhydrazine	60-34-4	N.D.	0.25	0.50	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10342	Hydrazines in Water	SW-846 8315A modified	1	13295005	10/29/2013 15:06	Meng Yu	1

*=This limit was used in the evaluation of the final result

Sample Description: M-26S Composite Groundwater
MRFA

LL Sample # WW 7242825
LL Group # 1427527
Account # 01401

Project Name: MRFA

Collected: 10/17/2013 13:15 by MD

Shaw Env & Infrastructure, Inc

PO BOX 98519

Submitted: 10/18/2013 09:25

Baton Rouge LA 70884

Reported: 10/30/2013 13:18

M-26S SDG#: RFA05-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Misc. Organics		SW-846 8315A modified	ug/l	ug/l	ug/l	
10342	1,1-Dimethylhydrazine	57-14-7	N.D.	0.25	0.50	1
10342	Hydrazine	302-01-2	N.D.	0.050	0.10	1
10342	Methylhydrazine	60-34-4	N.D.	0.25	0.50	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10342	Hydrazines in Water	SW-846 8315A modified	1	13295005	10/29/2013 15:20	Meng Yu	1

*=This limit was used in the evaluation of the final result

Sample Description: DUP Composite Groundwater
MRFA

LL Sample # WW 7242826
LL Group # 1427527
Account # 01401

Project Name: MRFA

Collected: 10/17/2013 by MD

Shaw Env & Infrastructure, Inc

PO BOX 98519

Submitted: 10/18/2013 09:25

Baton Rouge LA 70884

Reported: 10/30/2013 13:18

MRFAD SDG#: RFA05-04FD*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Misc. Organics		SW-846 8315A modified	ug/l	ug/l	ug/l	
10342	1,1-Dimethylhydrazine	57-14-7	N.D.	0.25	0.50	1
10342	Hydrazine	302-01-2	N.D.	0.050	0.10	1
10342	Methylhydrazine	60-34-4	N.D.	0.25	0.50	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10342	Hydrazines in Water	SW-846 8315A modified	1	13295005	10/29/2013 15:35	Meng Yu	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Shaw Env & Infrastructure, Inc
Reported: 10/30/13 at 01:18 PM

Group Number: 1427527

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 13295005	Sample number(s): 7242823-7242826								
1,1-Dimethylhydrazine	N.D.	0.25	0.50	ug/l	95	96	70-118	0	25
Hydrazine	N.D.	0.050	0.10	ug/l	98	94	80-115	4	25
Methylhydrazine	N.D.	0.25	0.50	ug/l	85	83	80-128	2	25

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 13295005	Sample number(s): 7242823-7242826 UNSPK: 7242823								
1,1-Dimethylhydrazine	95	87	74-108	10	25				
Hydrazine	94	98	78-120	4	25				
Methylhydrazine	97	92	61-138	5	25				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.



**Lancaster Laboratories
Environmental**

Acct. # 1401

For Eurofins Lancaster Laboratories Environmental use only

Group # 1427527 Sample # 7242823-26
Instructions on reverse side correspond with circled numbers.

COC # 337302

[illegible]

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but $\geq$ IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Appendix B

Data Validation Report

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

December 10, 2013

Brian Neumann
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

RE: Validation of GE MRFA Malta Site Data Packages
ALS Sub Nos. R1307796 and R1307836

Dear Mr. Neumann:

Review has been completed for the data package generated by ALS/CAS that pertains to groundwater samples collected 10/16/13 and 10/17/13 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 as estimated. This is discussed in the following analytical sections.

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

M-27D was reported by the laboratory as “MW-27D”.

The relinquish entries do not include the date and time. There are no relinquish entries on the first page of the custodies associated with samples collected 10/17/13.

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

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 M-28S are within validation guidelines.

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.

Although the matrix spikes were processed beyond the holding time from laboratory receipt (VTSR), the samples were received only one day after collection, rather than the allowed timeframe of two days, the overall time from collection is acceptable, and there is no perceived effect on the accuracy and precision values.

Sample holding times were met, and surrogate and internal standard responses are within required limits.

M-25D was analyzed at initial dilution due to target analyte concentrations. This resulted in elevated reporting limits for analytes not detected in those samples.

Ethane Analyses

Instrument performance was compliant, holding times were met, and blanks show no contamination.

Matrix spikes and duplicates of M-27D and M-28S show recoveries and correlations within laboratory acceptance ranges.

The blind field duplicate evaluations of M-28S and M-27D show 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.

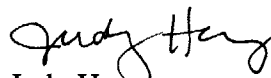
Matrix spike/laboratory duplicate accuracy and precision determinations were performed on M-27D, and show recoveries and duplicate correlation within laboratory acceptance ranges.

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 NARRATIVES**

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #: 149850
Submission: R1307796
Client: CB&I
Client Rep: JJAEGGER
Project: GE MRFA

Batch Complete: Yes
Diskette Requested: No
Date: 10/22/13
Custody Seal: Present/Absent:
Chain of Custody: Present/Absent:

Date Revised:
Date Due: 11/7/13
Protocol: EPA
Shipping No.:
SDG #: DGC-4S

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks Sample Condition
R1307796-001	DGC-4S	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-002	SW-A	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-003	DGC3S	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-004	SW-E	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-005	SW-G	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-006	SW-F	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-007	SW-D	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-008	M-25D	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-009	M-29D	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-010	M-24DR	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-011	10S	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-012	TRIP BLANK	Water	RSK 175, CLP-VOA OLC02.1	10/16/13	10/17/13			
R1307796-013	COOLER BLANK	Water	CLP-VOA OLC02.1	10/16/13	10/17/13			

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

Printed 10/22/13 19:27

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #: 149850

Submission: R1307836

Client: CB&I

Client Rep: JJAEGER

Project: GE MRFA

Batch Complete: Yes

Diskette Requested: No

Date: 11/20/13

Custody Seal: Present/Absent:

Chain of Custody: Present/Absent:

Date Revised:

Date Due: 11/8/13

Protocol: CLP

Shipping No.:

SDG #: M-28S

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks
R1307836-001QC	M-28S	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
1307836-001.R01Q	M-28S	Water	CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-002	MW-1	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-003	MW-4	Water	RSK 175, CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-004	13S	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-005	13D	Water	6010C, RSK 175, CLP-VOA OLC02.1, 7196A	10/17/13	10/18/13			
R1307836-006	M-26D	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-007	M-26S	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-008	SW-B	Water	6010C, 7196A, CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-009QC	MW-27D	Water	RSK 175, 7196A, CLP-VOA OLC02.1, 6010C	10/17/13	10/18/13			
1307836-009.R01Q	MW-27D	Water	CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-010	11D	Water	RSK 175, CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-011	DUP	Water	RSK 175, CLP-VOA OLC02.1	10/17/13	10/18/13			
R1307836-012	DUP-2	Water	RSK 175, 7196A, CLP-VOA OLC02.1, 6010C	10/17/13	10/18/13			
R1307836-013	TRIP BLANK 1	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			
R1307836-014	TRIP BLANK 2	Water	CLP-VOA OLC02.1, RSK 175	10/17/13	10/18/13			

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

CASE NARRATIVE

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

Service Request: R1307796
Project Number: 149850
Date Received: 10/17/13

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 10/16/13 and received at ALS on 10/17/13 at a cooler temperature of 0.9°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.

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.

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

The LCS recoveries were all acceptable.

Site specific QC was not requested on these samples.

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

No analytical or QC problems were encountered.

RSK-175

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

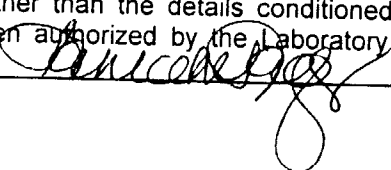
All the initial and continuing calibration criteria were met for all analytes.

The LCS recoveries were all acceptable.

Site specific QC was not requested on these samples.

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. 

CASE NARRATIVE

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

Service Request: R1307836
Project Number:
Date Received: 10/18/13

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 10/17/13 and received at ALS on 10/18/13 at cooler temperatures of 2.8 and 3.0°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 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.

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.

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

The LCS recoveries were all acceptable.

Site specific QC was performed on M-27D and M-28S as requested. All MS/MSD recoveries and RPD's were acceptable. Please note: The MS/MSD analysis was performed slightly outside the 10 day VTSR holding time (as noted by the "**") but was performed within the 14 day holding time for Volatiles under SW-846.

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

No analytical or QC problems were encountered.

RSK-175

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

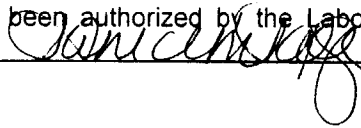
All the initial and continuing calibration criteria were met for all analytes.

The LCS recoveries were all acceptable.

Site specific QC was requested on M-27D and M-28S 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. 

QUALIFIED RESULTS FORMS

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/26/13 20:53

Sample Name: DGC-4S
Lab Code: R1307796-001

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\102613\L1152.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	UJ
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	UJ
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U	5.0	2.0	UJ
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/26/13 20:53

Sample Name: DGC-4S
Lab Code: R1307796-001

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\102613\L1152.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/26/13 20:53	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2053

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

Sample Name: DGC-4S
Lab Code: R1307796-001

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0940
Date Received: 10/17/13
Date Analyzed: 10/26/13 21:29

Sample Name: SW-A
Lab Code: R1307796-002

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\102613\L1153.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	UJ
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	UJ
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U	5.0	2.0	UJ
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0940
Date Received: 10/17/13
Date Analyzed: 10/26/13 21:29

Sample Name: SW-A
Lab Code: R1307796-002

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\102613\L1153.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/26/13 21:29	-

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2129

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

Sample Name: SW-A
Lab Code: R1307796-002

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1010
Date Received: 10/17/13
Date Analyzed: 10/26/13 22:06

Sample Name: DGC3S
Lab Code: R1307796-003

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\102613\L1154.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1010
Date Received: 10/17/13
Date Analyzed: 10/26/13 22:06

Sample Name: DGC3S
Lab Code: R1307796-003

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\102613\L1154.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/26/13 22:06	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2206

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

Sample Name: DGC3S
Lab Code: R1307796-003

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1050
Date Received: 10/17/13
Date Analyzed: 10/26/13 22:42

Sample Name: SW-E
Lab Code: R1307796-004

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\102613\L1155.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1050
Date Received: 10/17/13
Date Analyzed: 10/26/13 22:42

Sample Name: SW-E
Lab Code: R1307796-004

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\102613\L1155.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	10/26/13 22:42	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2242

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

Sample Name: SW-E
Lab Code: R1307796-004

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1030
Date Received: 10/17/13
Date Analyzed: 10/26/13 23:17

Sample Name: SW-G
Lab Code: R1307796-005

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\102613\L1156.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1030
Date Received: 10/17/13
Date Analyzed: 10/26/13 23:17

Sample Name: SW-G
Lab Code: R1307796-005

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\102613\L1156.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/26/13 23:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2317

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

Sample Name: SW-G
Lab Code: R1307796-005

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1100
Date Received: 10/17/13
Date Analyzed: 10/26/13 23:54

Sample Name: SW-F
Lab Code: R1307796-006

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\102613\L1157.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	UJ
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	UJ
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U	5.0	2.0	UJ
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1100
Date Received: 10/17/13
Date Analyzed: 10/26/13 23:54

Sample Name: SW-F
Lab Code: R1307796-006

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\102613\L1157.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	80-120	10/26/13 23:54	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/26/13 2354

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

Sample Name: SW-F
Lab Code: R1307796-006

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307796
 Date Collected: 10/16/13 1120
 Date Received: 10/17/13
 Date Analyzed: 10/27/13 00:30

Sample Name: SW-D
 Lab Code: R1307796-007

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\102613\L1158.D\

Analysis Lot: 365264
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1120
Date Received: 10/17/13
Date Analyzed: 10/27/13 00:30

Sample Name: SW-D
Lab Code: R1307796-007

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\102613\1158.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	10/27/13 00:30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0030

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

Sample Name: SW-D
Lab Code: R1307796-007

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307796
 Date Collected: 10/16/13 1215
 Date Received: 10/17/13
 Date Analyzed: 10/27/13 01:05

Sample Name: M-25D
 Lab Code: R1307796-008

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\102613\L1159.D\

Analysis Lot: 365264
 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	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.50	
79-00-5	1,1,2-Trichloroethane	2.5 U	2.5	0.75	
75-34-3	1,1-Dichloroethane (1,1-DCA)	2.5 U	2.5	0.50	
75-35-4	1,1-Dichloroethene (1,1-DCE)	2.5 U	2.5	0.75	
87-61-6	1,2,3-Trichlorobenzene	2.5 U	2.5	0.75	
120-82-1	1,2,4-Trichlorobenzene	2.5 U	2.5	0.50	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.5 U <i>UJ</i>	2.5	1.5	
106-93-4	1,2-Dibromoethane	2.5 U	2.5	0.75	
107-06-2	1,2-Dichloroethane	2.5 U	2.5	0.50	
95-50-1	1,2-Dichlorobenzene	2.5 U	2.5	0.75	
78-87-5	1,2-Dichloropropane	2.5 U	2.5	0.50	
541-73-1	1,3-Dichlorobenzene	2.5 U	2.5	0.75	
106-46-7	1,4-Dichlorobenzene	2.5 U	2.5	0.50	
78-93-3	2-Butanone (MEK)	13 U <i>UJ</i>	13	5.0	
591-78-6	2-Hexanone	13 U	13	5.0	
108-10-1	4-Methyl-2-pentanone	13 U	13	5.0	
67-64-1	Acetone	13 U <i>UJ</i>	13	5.0	
71-43-2	Benzene	2.5 U	2.5	0.50	
74-97-5	Bromochloromethane	2.5 U	2.5	0.75	
75-27-4	Bromodichloromethane	2.5 U	2.5	0.50	
75-25-2	Bromoform	2.5 U	2.5	0.75	
74-83-9	Bromomethane	2.5 U	2.5	0.75	
75-15-0	Carbon Disulfide	2.5 U	2.5	0.75	
56-23-5	Carbon Tetrachloride	2.5	2.5	0.50	
108-90-7	Chlorobenzene	2.5 U	2.5	0.50	
75-00-3	Chloroethane	2.5 U	2.5	1.0	
67-66-3	Chloroform	1.2 J	2.5	0.50	
74-87-3	Chloromethane	2.5 U	2.5	0.75	
156-59-2	cis-1,2-Dichloroethene	2.5 U	2.5	0.50	
10061-01-5	cis-1,3-Dichloropropene	2.5 U	2.5	0.75	
124-48-1	Dibromochloromethane	2.5 U	2.5	0.50	
100-41-4	Ethylbenzene	2.5 U	2.5	0.50	
87-68-3	Hexachlorobutadiene	2.5 U	2.5	0.75	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1215
Date Received: 10/17/13
Date Analyzed: 10/27/13 01:05

Sample Name: M-25D
Lab Code: R1307796-008

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\102613\L1159.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 2.5

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	2.5	U	2.5	0.75	
75-09-2	Dichloromethane (Methylene Chloride)	2.5	U	2.5	0.75	
95-47-6	o-Xylene	2.5	U	2.5	0.75	
100-42-5	Styrene	2.5	U	2.5	0.75	
127-18-4	Tetrachloroethene (PCE)	2.5	U	2.5	0.50	
108-88-3	Toluene	2.5	U	2.5	0.25	
156-60-5	trans-1,2-Dichloroethene	2.5	U	2.5	0.50	
10061-02-6	trans-1,3-Dichloropropene	2.5	U	2.5	0.75	
79-01-6	Trichloroethene (TCE)	57		2.5	0.50	
75-69-4	Trichlorofluoromethane (CFC 11)	2.5	U	2.5	0.50	
75-01-4	Vinyl Chloride	2.5	U	2.5	0.75	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/27/13 01:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0105

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

Sample Name: M-25D
Lab Code: R1307796-008

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1250
Date Received: 10/17/13
Date Analyzed: 10/27/13 01:41

Sample Name: M 29D
Lab Code: R1307796-009

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\102613\L1160.D\

Analysis Lot: 365264
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)	3.7	1.0	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U UJ	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U UJ	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U UJ	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	18	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	0.63 J	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1250
Date Received: 10/17/13
Date Analyzed: 10/27/13 01:41

Sample Name: M 29D
Lab Code: R1307796-009

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\102613\L1160.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	23	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	10/27/13 01:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0141

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

Sample Name: M 29D
Lab Code: R1307796-009

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1330
Date Received: 10/17/13
Date Analyzed: 10/27/13 02:17

Sample Name: M-24DR
Lab Code: R1307796-010

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\102613\L1161.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	UJ
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	UJ
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	2.4	J	5.0	2.0	J
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	0.67	J	1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1330
Date Received: 10/17/13
Date Analyzed: 10/27/13 02:17

Sample Name: M-24DR
Lab Code: R1307796-010

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\102613\L1161.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	2.8		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	80-120	10/27/13 02:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0217

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

Sample Name: M-24DR
Lab Code: R1307796-010

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1420
Date Received: 10/17/13
Date Analyzed: 10/27/13 02:53

Sample Name: 10S
Lab Code: R1307796-011

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\102613\L1162.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	0.20 J	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	0.65 J	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1420
Date Received: 10/17/13
Date Analyzed: 10/27/13 02:53

Sample Name: 10S
Lab Code: R1307796-011

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\102613\L1162.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/27/13 02:53	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0253

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

Sample Name: 10S
Lab Code: R1307796-011

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307796
 Date Collected: 10/16/13 0910
 Date Received: 10/17/13
 Date Analyzed: 10/27/13 03:29

Sample Name: TRIP BLANK
 Lab Code: R1307796-012

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\102613\L1163.D\

Analysis Lot: 365264
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/27/13 03:29

Sample Name: TRIP BLANK
Lab Code: R1307796-012

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\102613\L1163.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0	U	1.0	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/27/13 03:29	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0329

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

Sample Name: TRIP BLANK
Lab Code: R1307796-012

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 04:05

Sample Name: COOLER BLANK
Lab Code: R1307796-013

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\102613\L1164.D\

Analysis Lot: 365264
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	UJ
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	UJ
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U	5.0	2.0	UJ
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 04:05

Sample Name: COOLER BLANK
Lab Code: R1307796-013

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\102613\L1164.D\

Analysis Lot: 365264
Instrument Name: R-MS-06
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	
75-09-2	Dichloromethane (Methylene Chloride)	1.0 U	1.0	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	10/27/13 04:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13
Date Received: 10/17/13
Date Analyzed: 10/27/13 0405

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

Sample Name: COOLER BLANK
Lab Code: R1307796-013

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/25/13 13:21

Sample Name: DGC-4S
Lab Code: R1307796-001

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1008.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0940
Date Received: 10/17/13
Date Analyzed: 10/25/13 13:31

Sample Name: SW-A
Lab Code: R1307796-002

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1009.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1010
Date Received: 10/17/13
Date Analyzed: 10/25/13 13:42

Sample Name: DGC3S
Lab Code: R1307796-003

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1010.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1050
Date Received: 10/17/13
Date Analyzed: 10/25/13 13:52

Sample Name: SW-E
Lab Code: R1307796-004

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1011.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1030
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:02

Sample Name: SW-G
Lab Code: R1307796-005

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1012.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1100
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:24

Sample Name: SW-F
Lab Code: R1307796-006

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1014.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1120
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:36

Sample Name: SW-D
Lab Code: R1307796-007

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1015.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1215
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:46

Sample Name: M-25D
Lab Code: R1307796-008

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1016.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1250
Date Received: 10/17/13
Date Analyzed: 10/25/13 14:57

Sample Name: M 29D
Lab Code: R1307796-009

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1017.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1330
Date Received: 10/17/13
Date Analyzed: 10/25/13 15:07

Sample Name: M-24DR
Lab Code: R1307796-010

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1018.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 1420
Date Received: 10/17/13
Date Analyzed: 10/25/13 15:17

Sample Name: 10S
Lab Code: R1307796-011

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1019.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307796
Date Collected: 10/16/13 0910
Date Received: 10/17/13
Date Analyzed: 10/25/13 15:27

Sample Name: TRIP BLANK
Lab Code: R1307796-012

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1020.run

Analysis Lot: 365716
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0840
Date Received: 10/18/13
Date Analyzed: 10/27/13 13:38

Sample Name: M-28S
Lab Code: R1307836-001

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\102713\L1171.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U UJ	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U UJ	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U UJ	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	4.7	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	0.26 J	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

00010

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0840
Date Received: 10/18/13
Date Analyzed: 10/27/13 13:38

Sample Name: M-28S
Lab Code: R1307836-001

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\102713\L1171.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	8.1		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/27/13 13:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1338

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

Sample Name: M-28S
Lab Code: R1307836-001

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0930
Date Received: 10/18/13
Date Analyzed: 10/27/13 14:11

Sample Name: MW-1
Lab Code: R1307836-002

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\102713\L1172.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U UJ	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U UJ	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U UJ	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0930
Date Received: 10/18/13
Date Analyzed: 10/27/13 14:11

Sample Name: MW-1
Lab Code: R1307836-002

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\102713\L1172.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	80-120	10/27/13 14:11	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1411

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

Sample Name: MW-1
Lab Code: R1307836-002

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1010
Date Received: 10/18/13
Date Analyzed: 10/27/13 14:47

Sample Name: MW-4
Lab Code: R1307836-003

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\102713\L1173.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U UJ	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U UJ	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U UJ	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1010
Date Received: 10/18/13
Date Analyzed: 10/27/13 14:47

Sample Name: MW-4
Lab Code: R1307836-003

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\102713\L1173.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	80-120	10/27/13 14:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1447

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

Sample Name: MW-4
Lab Code: R1307836-003

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1100
Date Received: 10/18/13
Date Analyzed: 10/27/13 15:24

Sample Name: 13S
Lab Code: R1307836-004

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\102713\L1174.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U UJ	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U UJ	5.0	2.0	
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U UJ	5.0	2.0	
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	3.7		1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1100
Date Received: 10/18/13
Date Analyzed: 10/27/13 15:24

Sample Name: 13S
Lab Code: R1307836-004

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\102713\L1174.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	2.9	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/27/13 15:24	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1524

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

Sample Name: 13S
Lab Code: R1307836-004

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1145
Date Received: 10/18/13
Date Analyzed: 10/27/13 16:00

Sample Name: 13D
Lab Code: R1307836-005

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\102713\L1175.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	UJ
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	UJ
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U	5.0	2.0	UJ
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	0.77 J	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1145
Date Received: 10/18/13
Date Analyzed: 10/27/13 16:00

Sample Name: 13D
Lab Code: R1307836-005

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\102713\L1175.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/27/13 16:00	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1600

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

Sample Name: 13D
Lab Code: R1307836-005

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1240
Date Received: 10/18/13
Date Analyzed: 10/27/13 16:36

Sample Name: M-26D
Lab Code: R1307836-006

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\102713\L1176.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UT</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UT</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UT</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1240
Date Received: 10/18/13
Date Analyzed: 10/27/13 16:36

Sample Name: M-26D
Lab Code: R1307836-006

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\102713\L1176.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	10/27/13 16:36	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1636

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

Sample Name: M-26D
Lab Code: R1307836-006

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1315
Date Received: 10/18/13
Date Analyzed: 10/27/13 17:13

Sample Name: M-26S
Lab Code: R1307836-007

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\102713\L1177.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	3.2 J	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	0.39 J	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1315
Date Received: 10/18/13
Date Analyzed: 10/27/13 17:13

Sample Name: M-26S
Lab Code: R1307836-007

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\102713\L1177.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	80-120	10/27/13 17:13	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1713

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

Sample Name: M-26S
Lab Code: R1307836-007

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1320
Date Received: 10/18/13
Date Analyzed: 10/27/13 17:49

Sample Name: SW-B
Lab Code: R1307836-008

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\102713\L1178.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1320
Date Received: 10/18/13
Date Analyzed: 10/27/13 17:49

Sample Name: SW-B
Lab Code: R1307836-008

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\102713\L1178.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/27/13 17:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1749

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

Sample Name: SW-B
Lab Code: R1307836-008

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
 Project: GE MRFA/149850
 Sample Matrix: Water

Service Request: R1307836
 Date Collected: 10/17/13 1410
 Date Received: 10/18/13
 Date Analyzed: 10/28/13 11:08

Sample Name: *12-9-13 MW-27D m-27D*
 Lab Code: R1307836-009

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\102813\L1190.D\

Analysis Lot: 365291
 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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.6	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1410
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:08

Sample Name: *913 MW-27D M-27D*
Lab Code: R1307836-009

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\102813\L1190.D\

Analysis Lot: 365291
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	6.0		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	80-120	10/28/13 11:08	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 1108

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

Sample Name: *9A MW-27D M-27D*
Lab Code: *12-9-13* R1307836-009

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1450
Date Received: 10/18/13
Date Analyzed: 10/27/13 19:02

Sample Name: 11D
Lab Code: R1307836-010

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\102713\L1180.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	6.0		1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	0.55	J	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1450
Date Received: 10/18/13
Date Analyzed: 10/27/13 19:02

Sample Name: 11D
Lab Code: R1307836-010

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\102713\L1180.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.4	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	80-120	10/27/13 19:02	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1902

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

Sample Name: 11D
Lab Code: R1307836-010

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 19:39

Sample Name: DUP
Lab Code: R1307836-011

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\102713\L1181.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	<i>U U J</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	<i>U U J</i>	5.0	2.0	
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	4.5		1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	0.27	J	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 19:39

Sample Name: DUP
Lab Code: R1307836-011

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\102713\L1181.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	7.6		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	80-120	10/27/13 19:39	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 1939

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

Sample Name: DUP
Lab Code: R1307836-011

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
000076-13-1	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	2.12	2.8	JN

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 20:15

Sample Name: DUP-2
Lab Code: R1307836-012

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\102713\L1182.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.5		1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	

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ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 20:15

Sample Name: DUP-2
Lab Code: R1307836-012

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\102713\L1182.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	5.6		1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	80-120	10/27/13 20:15	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 2015

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

Sample Name: DUP-2
Lab Code: R1307836-012

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 20:51

Sample Name: TRIP BLANK 1
Lab Code: R1307836-013

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\102713\1183.D\

Analysis Lot: 365289
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0 U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0 U <i>UJ</i>	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0 U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0 U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0 U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0 U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0 U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0 U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0 U <i>UJ</i>	5.0	2.0	
591-78-6	2-Hexanone	5.0 U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0 U	5.0	2.0	
67-64-1	Acetone	5.0 U <i>UJ</i>	5.0	2.0	
71-43-2	Benzene	1.0 U	1.0	0.20	
74-97-5	Bromochloromethane	1.0 U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0 U	1.0	0.20	
75-25-2	Bromoform	1.0 U	1.0	0.30	
74-83-9	Bromomethane	1.0 U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0 U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0 U	1.0	0.20	
108-90-7	Chlorobenzene	1.0 U	1.0	0.20	
75-00-3	Chloroethane	1.0 U	1.0	0.40	
67-66-3	Chloroform	1.0 U	1.0	0.20	
74-87-3	Chloromethane	1.0 U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0 U	1.0	0.20	
100-41-4	Ethylbenzene	1.0 U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0 U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0 U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 20:51

Sample Name: TRIP BLANK 1
Lab Code: R1307836-013

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\102713\L1183.D\

Analysis Lot: 365289
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	0.30	
95-47-6	o-Xylene	1.0 U	1.0	0.30	
100-42-5	Styrene	1.0 U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0 U	1.0	0.20	
108-88-3	Toluene	1.0 U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0 U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0 U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0 U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	80-120	10/27/13 20:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/27/13 2051

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

Sample Name: TRIP BLANK 1
Lab Code: R1307836-013

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 10:35

Sample Name: TRIP BLANK 2
Lab Code: R1307836-014

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\102813\L1189.D\

Analysis Lot: 365291
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	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.30	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.30	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.30	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1.0	U	1.0	0.60	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.30	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.20	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.30	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.20	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.30	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.20	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	2.0	
591-78-6	2-Hexanone	5.0	U	5.0	2.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.0	
67-64-1	Acetone	5.0	U	5.0	2.0	
71-43-2	Benzene	1.0	U	1.0	0.20	
74-97-5	Bromochloromethane	1.0	U	1.0	0.30	
75-27-4	Bromodichloromethane	1.0	U	1.0	0.20	
75-25-2	Bromoform	1.0	U	1.0	0.30	
74-83-9	Bromomethane	1.0	U	1.0	0.30	
75-15-0	Carbon Disulfide	1.0	U	1.0	0.30	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.20	
108-90-7	Chlorobenzene	1.0	U	1.0	0.20	
75-00-3	Chloroethane	1.0	U	1.0	0.40	
67-66-3	Chloroform	1.0	U	1.0	0.20	
74-87-3	Chloromethane	1.0	U	1.0	0.30	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.30	
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20	
100-41-4	Ethylbenzene	1.0	U	1.0	0.20	
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.30	
179601-23-1	m,p-Xylenes	1.0	U	1.0	0.30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 10:35

Sample Name: TRIP BLANK 2
Lab Code: R1307836-014

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\102813\L1189.D\

Analysis Lot: 365291
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	0.30	
95-47-6	o-Xylene	1.0	U	1.0	0.30	
100-42-5	Styrene	1.0	U	1.0	0.30	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	0.20	
108-88-3	Toluene	1.0	U	1.0	0.10	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.20	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.30	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	0.20	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	0.20	
75-01-4	Vinyl Chloride	1.0	U	1.0	0.30	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	80-120	10/28/13 10:35	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 1035

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

Sample Name: TRIP BLANK 2
Lab Code: R1307836-014

Units: µg/L
Basis: NA

Analytical Method: CLP-VOA OLC02.1

CAS #	Analyte Name	RT	Result	Q
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No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0840
Date Received: 10/18/13
Date Analyzed: 10/28/13 10:35

Sample Name: M-28S
Lab Code: R1307836-001

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1004.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 0930
Date Received: 10/18/13
Date Analyzed: 10/28/13 10:57

Sample Name: MW-1
Lab Code: R1307836-002

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1005.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1010
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:08

Sample Name: MW-4
Lab Code: R1307836-003

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1006.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1100
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:18

Sample Name: 13S
Lab Code: R1307836-004

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1007.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1145
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:28

Sample Name: 13D
Lab Code: R1307836-005

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1008.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1240
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:39

Sample Name: M-26D
Lab Code: R1307836-006

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1009.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1315
Date Received: 10/18/13
Date Analyzed: 10/28/13 11:49

Sample Name: M-26S
Lab Code: R1307836-007

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1010.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1320
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:00

Sample Name: SW-B
Lab Code: R1307836-008

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1011.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1410
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:24

Sample Name: MW-27D
Lab Code: R1307836-009

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1013.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13 1450
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:35

Sample Name: 11D
Lab Code: R1307836-010

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1014.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:45

Sample Name: DUP
Lab Code: R1307836-011

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1015.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 12:55

Sample Name: DUP-2
Lab Code: R1307836-012

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1016.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 13:06

Sample Name: TRIP BLANK 1
Lab Code: R1307836-013

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1017.run

Analysis Lot: 365460
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
Project: GE MRFA/149850
Sample Matrix: Water

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13
Date Analyzed: 10/28/13 13:16

Sample Name: TRIP BLANK 2
Lab Code: R1307836-014

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175
Data File Name: 1018.run

Analysis Lot: 365460
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	

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

13D

Contract: R1307836

Lab Code: Case No.: SAS No.: SDG NO.: M-28S

Matrix (soil/water): WATER Lab Sample ID: R1307836-005

Level (low/med): LOW Date Received: 10/18/2013

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	8.0	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Contract: R1307836

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-28S

Matrix (soil/water): WATER Lab Sample ID: R1307836-012

Level (low/med): LOW Date Received: 10/18/2013

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.816	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-27D

Contract: R1307836

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: M-28S

Matrix (soil/water): WATER Lab Sample ID: R1307836-009

Level (low/med): LOW Date Received: 10/18/2013

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.816	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-B

Contract: R1307836

Lab Code: Case No.: SAS No.: SDG NO.: M-28S

Matrix (soil/water): WATER Lab Sample ID: R1307836-008

Level (low/med): LOW Date Received: 10/18/2013

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.816	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water
Sample Name: 13D
Lab Code: R1307836-005

Service Request: R1307836
Date Collected: 10/17/13 1145
Date Received: 10/18/13

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	10/18/13 09:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water
Sample Name: SW-B
Lab Code: R1307836-008

Service Request: R1307836
Date Collected: 10/17/13 1320
Date Received: 10/18/13

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	10/18/13 09:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water
Sample Name: MW-27D
Lab Code: R1307836-009

Service Request: R1307836
Date Collected: 10/17/13 1410
Date Received: 10/18/13

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	10/18/13 09:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: CB&I
Project: GE MRFA/149850
Sample Matrix: Water
Sample Name: DUP-2
Lab Code: R1307836-012

Service Request: R1307836
Date Collected: 10/17/13
Date Received: 10/18/13

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	10/18/13 09:54	*

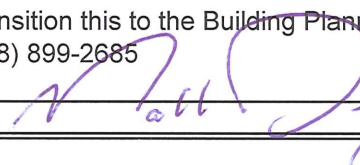
Appendix C

Property Owner Interviews

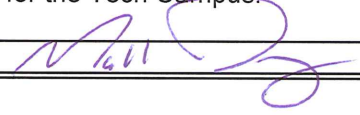
Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: New York State Energy Research and Developmentt Authority	New York State Energy Research and Developmental Authority
Date of Interview: 12/23/13	Agency/Property Owner Representative: Kevin Hunt
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.	Such notice was provided to Melior Technology, Inc via a lease. The lease was not executed.
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: Matthew Dupay	Interviewer Signature/Date: Mark [Signature] 12/23/13

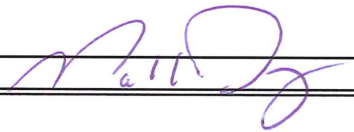
Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Town of Malta	Town of Malta, New York State
Date of Interview: 1/7/13	Agency/Property Owner Representative: Kevin King
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.
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 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 Kevin has asked that we transition this to the Building Planner for the Town Malta --> Anthony Tozzi (518) 899-2685
Interview completed by: MJD	Interviewer Signature/Date:  1/7/13

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Luther Forest Technology Campus Economic Corporation	Luther Forest Technology Campus Economic Development Corporation
Date of Interview: 12/9/13	Agency/Property Owner Representative: Jon Dawes
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?	GlobalFoundries continues developing land on the Southeastern portion of the land.
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 will have to check with Mike Relyea
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 Jon has asked that this interview be transitioned to Mike Relyea next year as Jon no longer works directly for the Tech Campus.
Interview completed by: MJD	Interviewer Signature/Date:  12/9/13

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: 11/27/13	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?	Ongoing development and construction continues from last year. There have been no known exposures to groundwater.
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 Patrick will need to get approval from his supervising staff prior to submittal of this interview
Interview completed by: Matthew Dupay	Interviewer Signature/Date:  11/27/13