

**FINAL SEMI-ANNUAL O&M REPORT
REMEDIAL WORK ELEMENTS I, II AND IV
REPORTING PERIOD JULY 1, 2008 THROUGH DECEMBER 31,
2008**

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

February 3, 2009

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:

- Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, dated March 31, 1998 and prepared by ERM - Northeast, Inc.
- Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, dated January 15, 2002, and prepared by IT Corporation, Inc., currently Shaw Environmental, Inc. (Shaw).
- 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, 2008 through December 31, 2008.

2.0 O&M OF REMEDIAL WORK ELEMENT I (Drinking Water)

According to the provisions of the *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002*, six regularly scheduled monthly site visits were performed to inspect the groundwater treatment system (system) operation, record system operating conditions, and to determine system treatment effectiveness. The site visits took place on July 17, August 6, September 19, October 13, November 19, and December 10, 2008.

The groundwater treatment system is comprised of a packed tower air stripper. System influent and effluent samples were collected during the August 6 and October 13, 2008 site visits to document adherence to the treatment system discharge objectives. Analytical results from these sample events, including validated analytical results and chain of custody forms, are provided in **Appendices A and B**. The validation summary is included in **Appendix C**.

During the reporting period, recovery wells RW-1D and RW-2D operated at daily average flow rates of approximately 0.000 and 0.635 gallons per minute (gpm), respectively, yielding an average daily flow of approximately 0.632gpm (**Appendix D**). As a result of the limited use of the test station, these flows are less than those historically recorded. In addition, early in March 2008 RW-1D stopped pumping water to the treatment system. Damage to the pump discharge piping is detailed in further sections.

Review of the analytical results for influent and effluent treatment system samples collected in August and October 2008 confirm that during the reporting period, the system effluent water quality was compliant with the chemical specific effluent requirements presented in the O&M manual. Air stripper blower pressure readings, as well as the effluent water quality data, demonstrate that the air stripper packing material does not need cleaning or replacement. Additional discussions regarding air stripper flow, air stripper blower pressure readings and water quality sampling are presented below.

2.1 Remote Telemetry/Programmable Logic Controller

To ensure that the system operates continuously, system operating parameters are visually monitored during each of the monthly site visits and on a continual basis by a Remote Telemetry Unit (RTU). During the reporting period, the RTU notified key project personnel of alarm

conditions via facsimile and voice messaging. The alarm conditions that were received by the RTU were identified as AC power failures. The AC power failure alarm conditions were apparently caused by short duration power failures which are typical at the MRFA Site. The power failures result in brief interruptions in the delivery of electrical power to the system and do not typically cause disruption or down-time of the treatment system. The alarm conditions identified by the RTU during the reporting period confirmed the proper operation of the system and the RTU's effectiveness in notifying project personnel of alarm conditions.

2.2 Visual System Inspection

Visual inspections were made of all accessible system components during monthly site visits in accordance with attached **Table 1, Maintenance Checklist**. Inspections were performed to check for signs of component wear, process piping leaks and each of the general maintenance requirements. **Table 2, Equipment Log, Air Stripper Maintenance** includes a summary of observations made during the visual inspections.

Maintenance activities included regular inspection of the air stripper blower intake for obstructions, inspection of all process valves and piping to prevent leakage of untreated groundwater, and inspection of the air stripper sight tube for sediment buildup. In addition, the operation of the transfer sump pump and associated high level float were checked. The settling tank interior was also visually inspected for signs of sediment buildup or corrosion and the reservoir level was checked during each monthly visit.

2.3 Operating Measurements

2.3.1 Water Flow Measurements

Water flow measurements for wells RW-1D and RW-2D collected during monthly site visits are presented in **Table 3, Process Operating Report**. The totalizer readings collected at the Site demonstrate average recovery well water flow rates for the period of July 1, 2008 to December 31, 2008 are as follows:

Well RW-1D: 0.0000 gpm

Well RW-2D: 0.7753 gpm

System Avg: 0.7753 gpm

Average daily water flow data as recorded by the on-site data logger are provided in **Appendix D**. Information obtained from the data logger indicates an average daily water flow rate of 0.632 gpm for the reporting period. The average water flow rate calculated from field observations (0.7757) is statistically the same to the average daily water flow rate calculated from the data logger, confirming the data logger's accuracy and usefulness in verifying field observations. The average daily water flow rates observed during the reporting period were less than those observed during the last reporting period and can be attributed to the reduced flow of the system caused by the June 2008 shutdown of RW-1D and the limited use of the test station water supply by the current property owner.

2.3.2 Blower Air Pressure

Measurements of the air stripper blower back pressure were recorded on a weekly basis via RTU monitoring and during monthly O&M site visits. Readings collected during monthly O&M site visits from the pressure gauge installed to monitor the air stripper back pressure are provided in **Table 3**. Pressure readings ranged from 2.80 to 3.20 inches of water column during the current period. The pressure readings were within the acceptable range of readings that are specified in the Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002. Pressure readings will continue to be monitored in the future to ensure proper system performance.

2.4 Water Quality Data

2.4.1 Sample Collection

Samples of the drinking water system influent and effluent were collected on August 6 and October 13, 2008 and analyzed by Columbia Analytical Laboratories, Inc., of Rochester, New York. Influent and effluent samples were analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method Contract Laboratory

Program (CLP) OLC-02, modified to include hexachlorobutadiene, 1,2,3-trichlorobenzene and trichlorofluoromethane as summarized in **Table 4**.

The validated analytical results and chain of custody forms for the August 6 and October 13, 2008 samples are provided in **Appendices A and B**. All validation was performed by Data Validation Services, Inc. of North Creek, New York. Validation reports are included in

Appendix C.

2.4.2 VOC Analytical Results

The drinking water system effluent sampling results indicated a detection for carbon tetrachloride during the October 13, 2008 sampling event at an estimated concentration of 0.1µg/l. Carbon tetrachloride was not detected in the August 6, 2008 effluent sample. TCE was detected at estimated concentrations of 0.2µg/l within the effluent samples collected during the August and October monitoring events. The results for the August and October events qualified as estimated value by the laboratory because the observed concentrations are less than the laboratory method reporting limit.

The influent concentrations for TCE and carbon tetrachloride observed during this reporting period were similar to the influent concentrations for these compounds observed during the previous reporting period. The drinking water system influent and effluent sample results for TCE and carbon tetrachloride are summarized in the table below.

Analyte	Date Sampled	Influent (µg/l)	Effluent (µg/l)	Performance Standard (µg/l)
Carbon Tetrachloride	August 6, 2008	33 J	ND	5
	October 13, 2008	48	0.1 J	5
TCE	August 6, 2008	50 J	0.2 J	5
	October 13, 2008	60	0.2 J	5

Note: ND = not detected

The air stripper influent chloroform concentrations are similar to the chloroform air stripper influent concentrations observed during the previous reporting period. Chloroform was detected at an estimated concentration of 5 µg/l in the August 6, 2008 and 7 µg/l in the October 13, 2008 air stripper influent samples. Chloroform was not detected in the in the air stripper effluent samples collected on August 6, 2008 and October 13, 2008. The drinking water system influent and effluent sample results for chloroform are summarized below.

Analyte	Date Sampled	Influent (µg/l)	Effluent (µg/l)	Criteria (µg/l)
Chloroform	August 6, 2008	5 J	ND	70
	October 13, 2008	7	ND	70

Note: ND = not detected

Based upon analytical data collected during this reporting period, the drinking water system's removal efficiency was greater than 99 percent for all volatile organic analytes.

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

3.1 Sample Collection

Modifications to the Early Warning Monitoring System (EWMS) monitoring program have been specified in Addendum No. 1, Operations and Maintenance Manual, Remedial Work Element II-Groundwater, Malta Rocket Fuel Area Site, General Electric Company, January 31, 2005 (Addendum No. 1). In accordance with the Operations and Maintenance Manual for Remedial Work Element II - Ground Water, ERM Northeast, Inc., January 22, 1998, (O&M-GW) and Addendum No. 1, unfiltered groundwater samples were collected on October 13, 14, 15 and 21, 2008 from the EWMS. In accordance with the Five-Year Review Report, Malta Rocket Fuel Area Superfund site, United States Environmental Protection Agency (EPA), September 24, 2004 (Five Year Review Report) including a table titled “Proposed Modifications to Groundwater and Surface Water Sampling Regimes at the Malta Rocket Fuel Area Site” and a letter from GE to the USEPA dated October 26, 2004, EWMS samples were collected from monitoring wells DGC-3S, DGC-4S, 4D, 11D, 13D, 14D, M-24D, M-25D, M-27D, M-29D, M-33S, and M-33I. Surface water locations SW-A, SW-B, SW-D, SW-E, SW-F and SW-G were also sampled (**Figure 1**). Blind duplicate samples were collected from well 13D for chromium and hexavalent chromium. Trip blanks were also analyzed.

Samples from all designated monitoring well sampling locations were analyzed for VOCs by USEPA Method OLC-02.1 by Columbia Analytical Services, Inc. in Rochester, New York except for samples from well 13D. Samples from well 13D were analyzed for unfiltered total matrix chromium following CLP procedures and unfiltered hexavalent chromium by SW-846 Method 7196 (*Test Methods for Evaluating Solid Waste*, 3rd Edition, November 1986). Samples from monitoring well M-27D were analyzed for VOCs, unfiltered total matrix chromium following CLP procedures and unfiltered hexavalent chromium.

Results of the October 2008 semi-annual EWMS sampling event are summarized in **Table 5**. The laboratory reports are presented in **Appendix B**. The data validation report is included in **Appendix C**. 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 6, 7, and 8**.

In accordance with the O&M-GW, time vs. concentration plots for carbon tetrachloride at monitoring well M-27D are included as **Figure 2**. **Figures 3, 4 and 5** include comparisons of simulated versus observed concentrations of carbon tetrachloride at monitoring well M-27D, TCE at monitoring well M-33S and TCE at monitoring well M-33I, respectively.

3.2 Chromium Analytical Results

Results of the unfiltered total chromium analysis collected in October 2008 at wells M-13D and M-27D and surface water location SW-B indicated concentrations of 7.3µg/l, 0.810µg/l and 0.596µg/l, respectively. These concentrations are below the New York State Ground Water Standard (NYSGWS) of 50µg/l.

Analytical results showed no detectable concentrations of hexavalent chromium at the method detection limit of 10µg/l for both groundwater samples (13D & M-27D). The NYSGWS for hexavalent chromium is 50µg/l.

3.3 VOC Analytical Results

Carbon tetrachloride was detected in monitoring wells M-24D, M-25D, M-27D, M-29D and 11D, at concentrations of 10µg/l, 52µg/l, 9µg/l, 32µg/l and 10µg/l, respectively. All other monitoring well sample locations were non-detect for carbon tetrachloride during the reporting period. The time vs. concentration plot for carbon tetrachloride in well M-27D is presented in **Figure 2**.

Chloroform was detected in monitoring wells M-25D, M-29D and 11D at concentrations of 4µg/l, 2µg/l and 2µg/l, respectively. Chloroform was also detected at estimated concentrations of 0.3µg/l and 0.6µg/l in monitoring wells M-24D and M-27D respectively. All other monitoring well locations were non-detect for chloroform during the reporting period.

TCE was detected in monitoring wells in M-25D, M-27D, M-29D and 11D at concentrations of 79µg/l, 11µg/l, 10µg/l and 2µg/l, respectively. Trichlorofluoromethane was also detected in monitoring well M-27D at an estimated concentration of 0.3µg/l. 1,1,1-Trichloroethane was detected in monitoring well M-29D at a concentration of 4µg/l. TCE, trichlorofluoromethane and 1,1,1-trichloroethane were not detected at the remainder of the monitoring well locations during this reporting period.

Carbon tetrachloride was detected in surface water samples SW-D and SW-E at estimated concentrations of 0.3µg/l and 0.1µg/l, respectively. TCE and chloroform were not detected in samples collected from the surface water sample locations. No other VOCs were detected above laboratory method detection limits in the surface water samples during this reporting period. The estimated results from the surface water samples were qualified by the laboratory and confirmed by the third party data validator as being estimated because the observed concentrations were less than the method reporting limit.

3.4 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 much higher than the observed concentrations. A comparison was also performed for TCE in monitoring well M-33S (**Figure 4**) and M-33I (**Figure 5**). As predicted by the simulations, TCE was not detected in the water samples collected at monitoring wells M-33S and M-33I.

3.5 Groundwater Gauging

A total of 43 on-site and perimeter monitoring wells were gauged to determine groundwater flow direction and gradient across the site. During this exercise monitoring well M-24S was blocked and the casing was bent and the location of M-34 could not be determined prohibiting the collection of water levels in those wells. Since the time of the October 2008 gauging the USEPA has granted permission to Luther Forest Technology Campus to abandon M-24S, thus no future gauging will be necessary. During the early spring of 2009 further attempts will be made to locate M-34. Damaged and unlocked protective casings were also repaired and secured with new locks.

Recorded groundwater elevations were used to determine the groundwater gradient across the site and is visual represented in **Figures 6A and 6B**.

4.0 INSTITUTIONAL CONTROLS

O&M activities for remedial Work Element IV, Institutional Controls, are conducted on an annual basis. Shaw conducts semi-annual visual inspections of the environmental restriction zone during the semi-annual groundwater sampling activities and annual environmental easement restriction interviews with property owner representatives during the October semi-annual reporting period.

4.1 Sampling and Survey Results

On October 13 and 14, 2008, as part of the semi-annual EWMS sampling program, personnel completed an inspection of site conditions in the environmental restriction zone (ERZ) to determine if any changes or property development occurred, specifically the installation of new groundwater wells. The inspection was conducted on 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.

Tree removal activities (logging) in the vicinity of the access roads and wooded paths leading to each of the monitoring wells and surface water locations were observed as well as tree removal and grading activities for new access roads to LFTCEDC property. Other than tree removal and road building activities Shaw personnel did not observe any additional changes to the property conditions within the ERZ.

4.2 Interviews with Property Owners

Shaw personnel conducted telephone interviews with the following representatives:

- Mitchell Khosrova representing New York State Energy Research and Development Authority (NYSERDA) was interviewed on January 20, 2009.
- Kevin King representing the Town of Malta was interviewed on December 23, 2008.
- Jon Dawes representing Luther Forest Technology Campus was interviewed on January 8, 2009.

Interview logs documenting the conversations with each of the property representatives are included in **Appendix E**. Mr. Dawes stated that an electric transmission line right-of-way and the future Advanced Micro Dynamics (AMD) site has caused clearing within the Pod 1 area. In addition, in Pod 18, approximately 32 acres were transferred to the Town of Malta Deed dated 10/26/06 and recorded 1/24/07.

Mr. King from the Town of Malta stated that legislation was modified to reflect AMD's pending proposal use of approximately 200 acres, part of which may be within the Environmental Restriction Zone (ERZ), further information will occur as applications are submitted.

Mr. Khosrova stated that he was not aware of any new groundwater usage, or other actions, within the environmental restriction zone, that would impact any condition of the Environmental Restriction Easements and the Declaration of Restrictive Covenants.

5.0 SUMMARY

5.1 Drinking Water

The drinking water treatment system is operating effectively. The treatment equipment will continue to be monitored as necessary to ensure the continued operation of all components and to maintain a reliable source of water for the Test Station. All of the treatment system effluent samples collected as part of the performance monitoring during the current period were compliant with the performance standards.

5.2 Early Warning Monitoring System (EWMS)

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

- Total chromium was detected at monitoring wells 13D and M-27D and surface water location SW-B. The Chromium detections collected from these monitoring well locations and surface water location were below the NYSGWS of 50 µg/l.
- Hexavalent chromium was not detected at the any of the monitoring well or surface water locations.
- Carbon tetrachloride was detected in monitoring wells M-24D, M-25D, M-27D, M-29D and 11D, at concentrations of 10µg/l, 52µg/l, 9µg/l, 32µg/l and 10µg/l, respectively. In addition, carbon tetrachloride was detected in surface water samples SW-D and SW-E at estimated concentrations of 0.3µg/l and 0.1µg/l, respectively. The NYSGWS for carbon tetrachloride is 5µg/l. All other water sample locations were non-detect for carbon tetrachloride during the reporting period.
- Chloroform was detected in monitoring wells M-25D, M-29D and 11D at concentrations of 4µg/l, 2µg/l and 2µg/l respectively. Chloroform was also detected at estimated concentrations of 0.3µg/l and 0.6µg/l in monitoring wells M-24D and M-27D respectively. All other water sample locations were non-detect for chloroform during the reporting period.
- TCE was detected in monitoring wells in M-25D, M-27D, M-29D and 11D at concentrations of 79µg/l, 11µg/l, 10µg/l and 2µg/l respectively. Trichlorofluoromethane was also detected in monitoring well M-27D at an estimated concentration of 0.3µg/l. 1,1,1-Trichloroethane was detected in monitoring well M-29D at a concentration of 4µg/l. TCE, trichlorofluoromethane and 1,1,1-trichloroethane were not detected at the remainder of the monitoring well locations during this reporting period. The NYSGWS for TCE, trichlorofluoromethane and 1,1,1-trichloroethane is 5 µg/l.
- As shown in **Figures 3, 4 and 5**, simulated concentrations of carbon tetrachloride and TCE are much higher than the observed concentrations.

TABLES

TABLE 1
MAINTENANCE CHECKLIST
OPERATION AND MAINTENANCE PLAN
TEST STATION WATER SUPPLY AND TREATMENT SYSTEM
MALTA ROCKET FUEL AREA SITE

Equipment Name	Item	Action	Frequency	Comments
Well Pump 1D	Pump bowls	Check for signs of iron fouling & impeller wear	Annually	More frequently as problems occur
Well Pump 2D	Pump bowls	Check for signs of iron fouling & impeller wear	Annually	More frequently as problems occur
Control Valves	Miscellaneous	Inspect for leaks	Monthly	Exercise valves annually
Air Stripper Sight Tube		Inspect for siltation and biofouling	Monthly	Adjust frequency depending on operating experience
Air Stripper Spray Nozzle		Inspect for fouling	Annually	No required routine maintenance
Air Stripper Blower	Intake	Inspect and clean	Monthly	Adjust frequency depending on operating experience
Air Stripper Blower	Motor & bearings	Check and lubricate	Annually	More frequently as problems occur
Air Stripper Unit	Packing	Clean or replace	Every 5 years	Adjust frequency depending on operating experience

TABLE 1
MAINTENANCE CHECKLIST
OPERATION AND MAINTENANCE PLAN
TEST STATION WATER SUPPLY AND TREATMENT SYSTEM
MALTA ROCKET FUEL AREA SITE

Equipment Name	Item	Action	Frequency	Comments
Mist Eliminator	Mesh screen	Clean or replace	Annually	Adjust frequency depending on operating experience
Settling Tank		Inspect for siltation	Monthly	Adjust frequency depending on operating experience
Settling Tank High Level Float Switch		Check operation	Monthly	Replace float switch every 5 years
100K Gallon Reservoir		Inspect for siltation, debris, etc.	Annually	Adjust frequency depending on operating experience
Level Sensor	Probe	Manually check start-up/shutdown. Check probe float for free range of motion. Remove and inspect for buildup of minerals if resistance is detected.	Monthly	Adjust frequency depending on operating experience
Misc. Guys, Hardware etc.		Inspect	Annually	Adjust frequency depending on operating experience
System Interlocks	Settling Tank High Level Blower Low Pressure Blower Low Amps Building Low Temperature	Check for proper operation. System should alarm after pre-set delay period.	Monthly	Adjust frequency depending on operating experience

**TABLE 2
EQUIPMENT LOG,
AIR STRIPPER MAINTENANCE
MALTA ROCKET FUEL AREA SITE**

Date	Operator	Operational Status of System	Work Performed
7/17/08	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
8/06/08	Marc Flanagan	Arrival - OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK. Collected system samples for VOAs.
8/15/08	Marc Flanagan	Arrival – Not OK Departure – OK	Alarm response. System interlock testing performed – all OK. Noticed that RW-2 is not pumping much. Alarm was reset.
9/07/08	Marc Flanagan	Arrival – Not OK Departure – OK	Alarm response. Reservoir is full, water level between 12 and 13 feet. Sump pump is operational. System interlock testing performed – all OK. Alarm was reset.
9/19/08	Marc Flanagan	Arrival –OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
10/13/08	Marc Flanagan & John Moyer	Arrival –OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK. Collected system samples for VOAs.
11/19/08	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
12/10/08	Marc Flanagan	Arrival - OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.

TABLE 3
PROCESS OPERATING REPORT
WATER TREATMENT SYSTEM
MALTA ROCKET FUEL AREA SITE

1	2	3					4					5
DATE	TIME	WATER FLOW --LINE 1D					WATER FLOW --LINE 2D					PROBLEMS OR COMMENTS
		1D LINE FLOW METER RDG(GPM)	1D LINE TOTALIZER RDG(GAL)	ELAPSED TIME (DAYS)	TOTAL FLOW THIS PERIOD (GAL)	AVG FLOW THIS PERIOD (GPM)	2D LINE FLOW METER RDG(GPM)	2D LINE TOTALIZER RDG(GAL)	ELAPSED TIME (DAYS)	TOTAL FLOW THIS PERIOD (GAL)	AVG FLOW THIS PERIOD (GPM)	
6/5/2008	10:00	0.0	4,702,900	22	NA	NA	7.2	6,760,400	22	NA	NA	Recorded in previous report, replicated here for calculation purposes.
7/17/2008	6:00	0.0	4,703,000	42	100	0.00	6.6	6,820,300	42	59,900	0.99	RW-1 is on LOTO
8/6/2008	8:30	0.0	4,703,000	20	0	0.00	6.6	6,854,400	20	34,100	1.18	
9/7/2008	18:30	0.0	4,703,000	32	0	0.00	6.2	6,885,700	32	31,300	0.68	
9/19/2008	11:15	0.0	4,703,000	12	0	0.00	6.2	6,896,100	12	10,400	0.60	
10/13/2008	14:00	0.0	4,703,000	24	0	0.00	6.2	6,916,700	24	20,600	0.60	
11/19/2008	13:30	0.0	4,703,000	37	0	0.00	6.2	6,949,800	37	33,100	0.62	
12/10/2008	9:10	0.0	4,703,000	21	0	0.00	6.0	6,970,300	21	20,500	0.68	
Summary				188	100	0.0000			188	209,900	0.7753	

NR = Not Recorded

NA = Not Applicable

LOTO = Lock Out Tag Out

TABLE 3
PROCESS OPERATING REPORT
WATER TREATMENT SYSTEM
MALTA ROCKET FUEL AREA SITE

1	2	3			4	5
DATE	TIME	STANDPIPE	LEVEL	SAMPLES	AIR	PROBLEMS OR COMMENTS
		LEVEL	PROBE	TAKEN ?	BLOWER	
		(FT)	OK ?		PRESSURE	
					OK?	
7/17/2008	6:00	12 - 13	Yes	No	Yes-2.8	Monthly O&M visit. Interlock checks OK. RW-1 remains LOTO.
8/6/2008	8:30	12 - 13	Yes	Yes	Yes-2.8	Monthly O&M visit. Interlock checks OK. RW-1 remains LOTO. Quarterly system samples collected.
9/7/2008	18:30	12 - 13	Yes	No	Yes-3.0	Alarm Response - AC power Fail. All interlock check OK.
9/19/2008	11:15	12-13	Yes	No	Yes-2.8	Monthly O&M visit. Interlock checks OK. RW-1 remains LOTO.
10/13/2008	14:00	12-13	Yes	Yes	Yes-2.8	Monthly O&M visit. Interlock checks OK. RW-1 remains LOTO. Quarterly system samples collected.
11/19/2008	13:30	12-13	Yes	No	Yes-2.8	Monthly O&M visit. Interlock checks OK. RW-1 remains LOTO.
12/10/2008	9:10	12 - 13	Yes	No	Yes-3.2	Monthly O&M visit. Interlock checks OK. RW-1 remains LOTO.

Notes:

LOTO = Lock Out Tag Out

TABLE 4
SUMMARY OF DRINKING WATER SAMPLING PROGRAM, PRESERVATIVES, HOLDING TIMES AND CONTAINERS
MALTA ROCKET FUEL AREA SITE

Sample	Sampling Frequency	Sample Matrix	Analytical Parameters	Analytical Method Reference ¹	Sample Preservation	Holding Times ²	Containers
Influent	1 per quarter	Water	CLP OLC VOCs	USEPA CLP OLCO2	Hcl, Cool, <4°C	14 days	3 - 40 ml glass vials with teflon septa and plastic screw caps
Effluent	1 per quarter	Water	CLP OLC VOCs	USEPA CLP OLCO2	Hcl, Cool, <4°C	14 days	3 - 40 ml glass vials with teflon septa and plastic screw caps

Notes:

1. *USEPA CLP OLCO2 analysis modified to include hexachlorobutadiene, 1,2,3 trichlorobenzene and trichlorofluoromethane to match the EWMS ground water analyses.*
2. *Holding times begin at the time of sample collection.*

TABLE 5
OCTOBER 2008 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	DGC-3S	DGC-4S	4D	11D	13D	DUPE (13D)	14 D	M-24D	M-25D	M-27D
Acetone	50	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	10 U	5 U
Carbon Disulfide	None*	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	2 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	10	NA	NA	1 U	10	52	9
Chloroform	7	1 U	1 U	1 U	2	NA	NA	1 U	0.3 J	4	0.6 J
2-Butanone	5	5 UJ	5 UJ	5 UJ	5 UJ	NA	NA	5 UJ	5 UJ	12 UJ	5 UJ
Trichloroethene	5	1 U	1 U	1 U	2	NA	NA	1 U	1 U	79 D	11
Trichlorofluoromethane	5*	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	2 U	0.3 J
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	2 U	1 U
1,1-Dichloroethene	NP	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	2 U	1 U
Chromium	50*	NA	NA	NA	NA	7.3	10.1	NA	NA	NA	0.810
Hexavalent Chromium	50*	NA	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U

Field Parameters											
pH	--	6.83	7.55	7.39	7.14	7.29	--	6.85	7.16	7.23	7.36
Temperature (celsius)	--	10.43	9.70	9.47	10.00	9.83	--	9.33	9.49	9.69	9.08
Conductivity (umhos/cm)	--	0.206	0.404	0.282	0.736	0.494	--	0.548	0.506	0.741	0.429
Dissolved Oxygen	--	0.76	1.82	1.12	0.0	0.0	--	3.26	0.60	1.51	0.0
Turbidity (NTUs)	--	44.4	46.5	269	22.8	106	--	19.8	13.2	51.2	12.7
Depth To Water (feet)	--	13.85	6.25	34.87	27.02	33.95	--	40.62	29.17	27.05	36.23
Ground Water Elevation (feet)	--	191.95	199.55	291.65	292.66	295.32	--	300.75	291.4	287.41	268.04

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb)).
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.
7. D - Identifies all compounds analyzed at a secondary dilution factor.
8. NM - Not measured due to equipment malfunction.
9. NP - Not promulgated.

TABLE 5
OCTOBER 2008 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	M-29D	M-33S	M-33I	Trip Blank	Trip Blank	Trip Blank	Cooler Blank	SW-A	SW-B	SW-D	SW-E	SW-F	SW-G
Acetone	50	10 UJ	5 U	5 U	2.9 J	1.4 J	5 U		5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	None*	2 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	32	1 U	1 U	1 U	1 U	1 U		1 U	1 U	0.3 J	0.1 J	1 U	1 U
Chloroform	7	2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ		5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	5	10	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	50*	2 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	5	4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	NP	2 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U
Chromium	50*	NA	NA	NA	NA	NA	NA		NA	0.596	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA		NA	10 U	NA	NA	NA	NA

Field Parameters														
pH	--	7.04	7.52	7.71	--	--	--	--	7.49	7.62	NA	NA	7.37	7.25
Temperature (celsius)	--	10.47	9.18	9.4	--	--	--	--	9.99	11.03	NA	NA	10.49	8.67
Conductivity (umhos/cm)	--	0.686	0.266	0.476	--	--	--	--	0.410	0.421	NA	NA	0.342	0.338
Dissolved Oxygen	--	1.47	0.0	0.0	--	--	--	--	6.76	0.0	NA	NA	6.40	6.17
Turbidity (NTUs)	--	22.6	28.2	14.1	--	--	--	--	52.3	11.8	NA	NA	57.1	45.4
Depth To Water (feet)	--	42.19	12.35	27.95	--	--	--	--	NA	NA	NA	NA	NA	NA
Ground Water Elevation (feet)	--	292.47	291.92	275.74	--	--	--	--	NA	NA	NA	NA	NA	NA

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb)).
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.
7. D - Identifies all compounds analyzed at a secondary dilution factor.
8. NM - Not measured due to equipment malfunction.
9. NP - Not promulgated.

TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2008
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
DGC-3S												
Benzene	0.7*	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	N
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	N
Aluminum	100*	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Lead	25*	NA	NA	NA	NA	<0.005 mg/L	NA	NA	NA	NA	NA	N
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Hexavalent Chromium	50*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no
DGC-4S												
Carbon Disulfide	None*	--	--	--	--	--	--	--	--	--	--	.
Chromium	50*	--	--	--	--	--	--	--	--	--	--	.
13S												
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N

Notes:

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

Only detected compounds are listed.

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ND = Not detected.

NS = Not sampled.

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

dp = Duplicate sample.

E = Estimated concentration; due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

V = Estimated concentration: due to variance to quality control limits.

-- = Not sampled: well installed in December, 1990.

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** = Filtered Sample.

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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2008
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
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	6.1	62.2E/70.3Edp	16.2/ND*, 14.6/ND*dp	25.2/ND*	ND
Hexavalent Chromium	50*	no data	NA	NA	NA	NA	NA	NA	NA	ND/4*/ND dp	NA	NA

DGC-4S

Carbon Disulfide	None*	--	--	--	--	ND/0.5Vdp	ND	ND	ND	ND	ND	ND/ND dp
Chromium	50*	--	--	--	--	NA	NA	15.9	11.9 E	ND/ND*	ND/ND*	ND/ND dp

13S

Benzene	0.7*	NA	NA	NA	NA	2	0.7/0.6 Jdp	1	ND	ND	ND	ND
Carbon Disulfide	None*	NA	NA	NA	NA	60 D	0.6	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NA	18/16 dp	6.4	4.4	8	24 J/24 Jdp	8	12	9	6 J	9
Chloroform	7	NA	ND	ND	ND	ND	0.8/0.9 Jdp	ND	0.4 J	0.3 J	ND	ND
Trichloroethene	5	NA	ND	ND	ND	ND	ND	0.4 J	0.9	0.6	ND	0.6
Trichlorofluoromethane	5*	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Chromium	50*	NA	NA	NA	NA	336 V	NA	269/261**	316 E/562 E**	282/498**	504/512**	179/172**
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	280	486/302**	260/310**	NA	287

Notes:

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D = Concentration determined from a sample dilution.

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V = Estimated concentration: due to variance to quality control limits.
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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2008
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
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**	580/357** 567/357** dp	406/434**	133 V/157 V**	44.2 V/95.8 V**	140 J	52.7 J
Hexavalent Chromium	50*	493	663	460	800	560	530/540 dp	340	101	36	150	48

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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2008
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
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
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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TABLE 6
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MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2008
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial											
	Action Objective	10/23/2001	5/29/2002	10/29/2002	4/9/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	5/23/2006	10/16/2006
DGC-3S												
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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.
NA = Not analyzed.
ND = Not detected.
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B = The reported value is less than the CRQL/CRDL but greater than the IDL.
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D = Concentration determined from a sample dilution.

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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - OCTOBER 2008
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial				
	Action				
DGC-3S	Objective	5/14/2007	10/16/2007	5/15/2008	10/13/2008
Benzene	0.7*	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA
DGC-4S					
Carbon Disulfide	None*	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA
13S					
Benzene	0.7*	NS	NS	NS	NS
Carbon Disulfide	None*	NS	NS	NS	NS
Carbon Tetrachloride	5	NS	NS	NS	NS
Chloroform	7	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS
Trichlorofluoromethane	5*	NS	NS	NS	NS
Chromium	50*	NS	NS	NS	NS
Hexavalent Chromium	50*	NS	NS	NS	NS

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.

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** = Filtered Sample.

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TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2008
SEMI-ANNUAL SAMPLING

Remedial Action		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
M-27S	Objective												
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** 2.0 B/ND** dp	19.8/ND**	not sampled	ND/ND dp	ND	ND	ND	ND	1.2B	ND	4.6 BJ / 4.8 BJ dp	1.4 B / 1.3 B dp
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:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

dp = Duplicate sample.

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

* 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.

TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2008
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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

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.

* 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.

TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2008
SEMI-ANNUAL SAMPLING

Remedial Action		10/2005	5/23/2006	10/16/2006	5/14/2007	10/16/2007	5/14/2008	10/13/2008
M-27S	Objective							
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA
M-27D								
Carbon Tetrachloride	5	13	22	12	15	10	11	9
Chloroform	7	ND	2	0.76J	2	0.7J	ND	0.6 J
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	24	16	21	15	14	13	11
Trichlorofluoromethane	5*	1.0	1 J	1.0	0.9J	0.8J	0.6J	0.3 J
Chromium	50*	1.6 B	2.7	1.7 BJ	ND	ND	ND	0.810
Hexavalent Chromium	50*	ND	ND	ND	ND	ND	ND	ND
M-33S								
VOCs	-	ND	ND	ND	ND	ND	ND	ND
M-33I								
VOCs	-	ND	ND	ND	ND	ND	NA	ND

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

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.

* 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.

TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 - OCTOBER 2008
SEMI-ANNUAL SAMPLING

<u>Wells / Compounds</u>	<u>Remedial Action Objective</u>	<u>6/1-6/2/1992</u>	<u>11/18-11/19/1992</u>	<u>11/2004</u>	<u>5/24/2005</u>	<u>10/24/2005</u>	<u>5/23/2006</u>	<u>10/16/2006</u>	<u>5/14/2007</u>	<u>10/16/2007</u>	<u>5/14/2008</u>	<u>10/13/2008</u>
4D												
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

11D

Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	6	4.6	13	14	15	12	12	13	11	10
Chloroform	7	ND	3	ND	4.0	3.0	4.0	3.0	3	2	ND	2
Trichloroethene	5	9J	7	ND	0.8 J	0.9J	1 J	2.0	1	1	1	2

M-24D

Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10	11	11	10	9	9	10
Chloroform	7	ND	ND	ND	0.6 J	0.5J	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-25D

Acetone	50	ND	ND R	ND	ND	ND	49 D*	25 JD	ND	ND	ND	ND
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91	76 D*	71 D	60	65	56	52
Chloroform	7	ND	3R	8.7	8.0	9.0	8 D*	7 D	7	6	ND	4
Trichloroethene	5	3J	8R	16.1	35 D	37	28 D*	22 D	31	34	52	79 D

M-29D

Acetone	50	ND	ND R	ND	ND	ND	16 D*	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	79	84	10.8	38 D	37	39 D*	33 D	32	34	33	32
Chloroform	7	ND	14	ND	4.0	5.0	5 D*	4 D	3	3	ND	2
Trichloroethene	5	19	24	6.0	14	13	14 D*	12 D	11	11	11	10

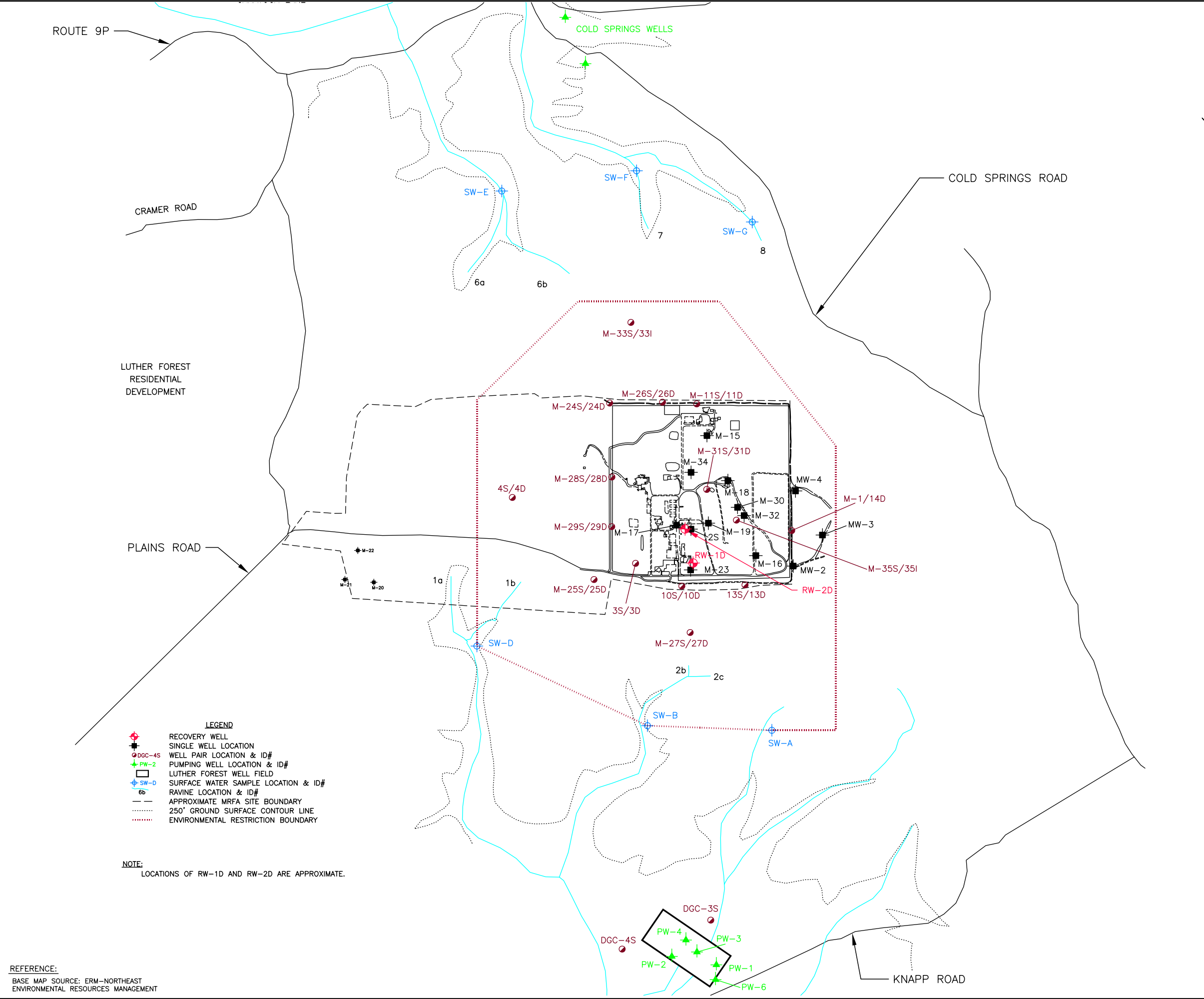
13D

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
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U	10 U	14.2	10 U	10 U	10 U	10 U

Notes:

Units are µg/l (ppb) unless otherwise stated. D* = Concentration determined from a sample dilution.
Only detected compounds are listed. J = Estimated concentration.
See Remedial Investigation report for additional c V = Estimated concentration: due to variance to quality control limits.
NA = Not analyzed. ND = Not detected. - - = Not sampled: well installed in December, 1990.
NS = Not sampled. * Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified
dp = Duplicate sample. for comparison purposes only.
E = Estimated concentration: due to interference. ** = Filtered Sample.
R = Analysis rejected

FIGURES



APPROXIMATE SCALE
0 700 1400 2100 FEET

DRAWING NOT TO SCALE

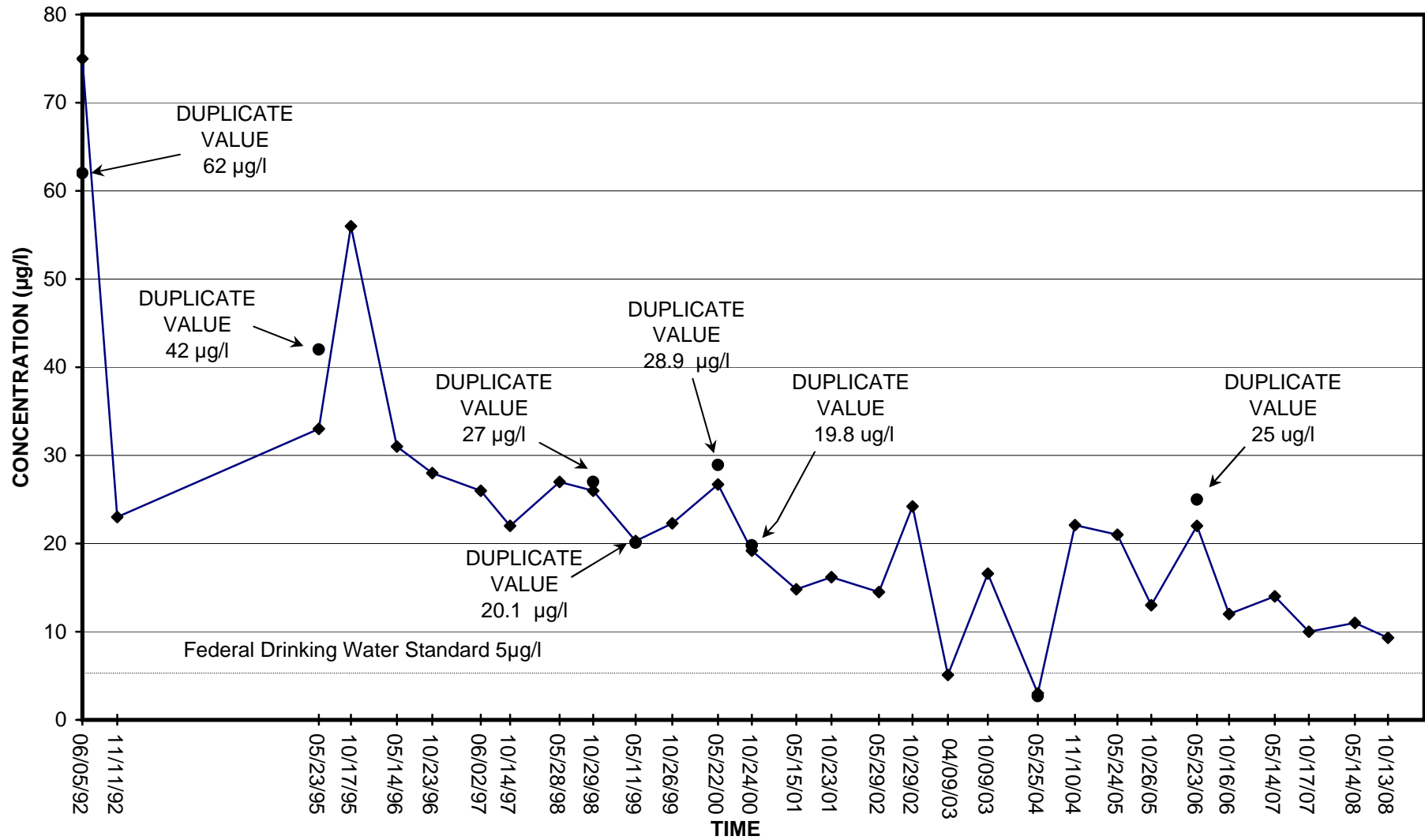


MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 1
SITE LOCATION MAP

REFERENCE:
BASE MAP SOURCE: ERM-NORTHEAST
ENVIRONMENTAL RESOURCES MANAGEMENT

FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS



**FIGURE 3
SIMULATED VERSUS OBSERVED (OCTOBER 2008)
CARBON TETRACHLORIDE CONCENTRATIONS
AT WELL M-27D**

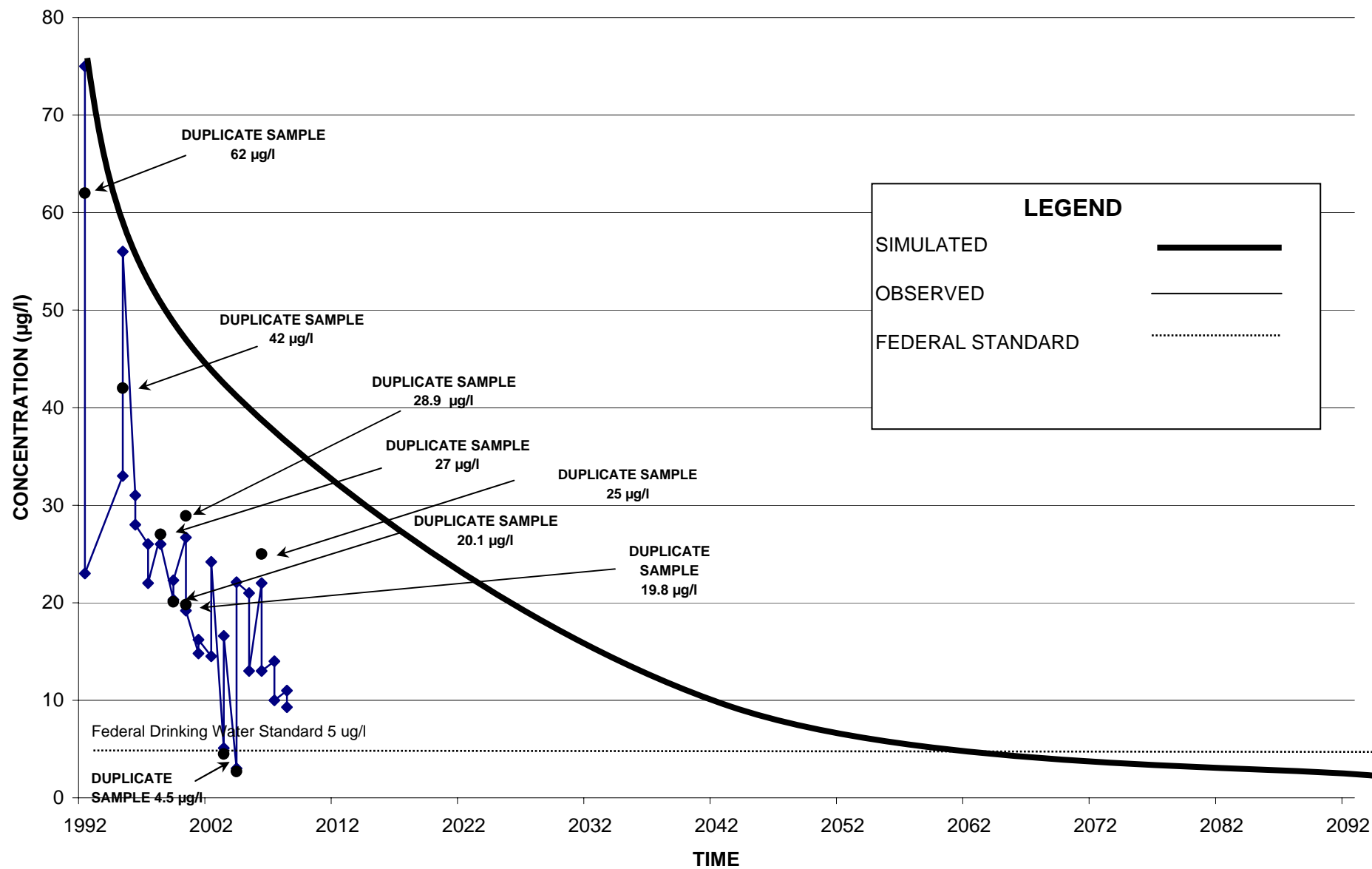


FIGURE 4
SIMULATED VERSUS OBSERVED (OCTOBER 2008)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33S

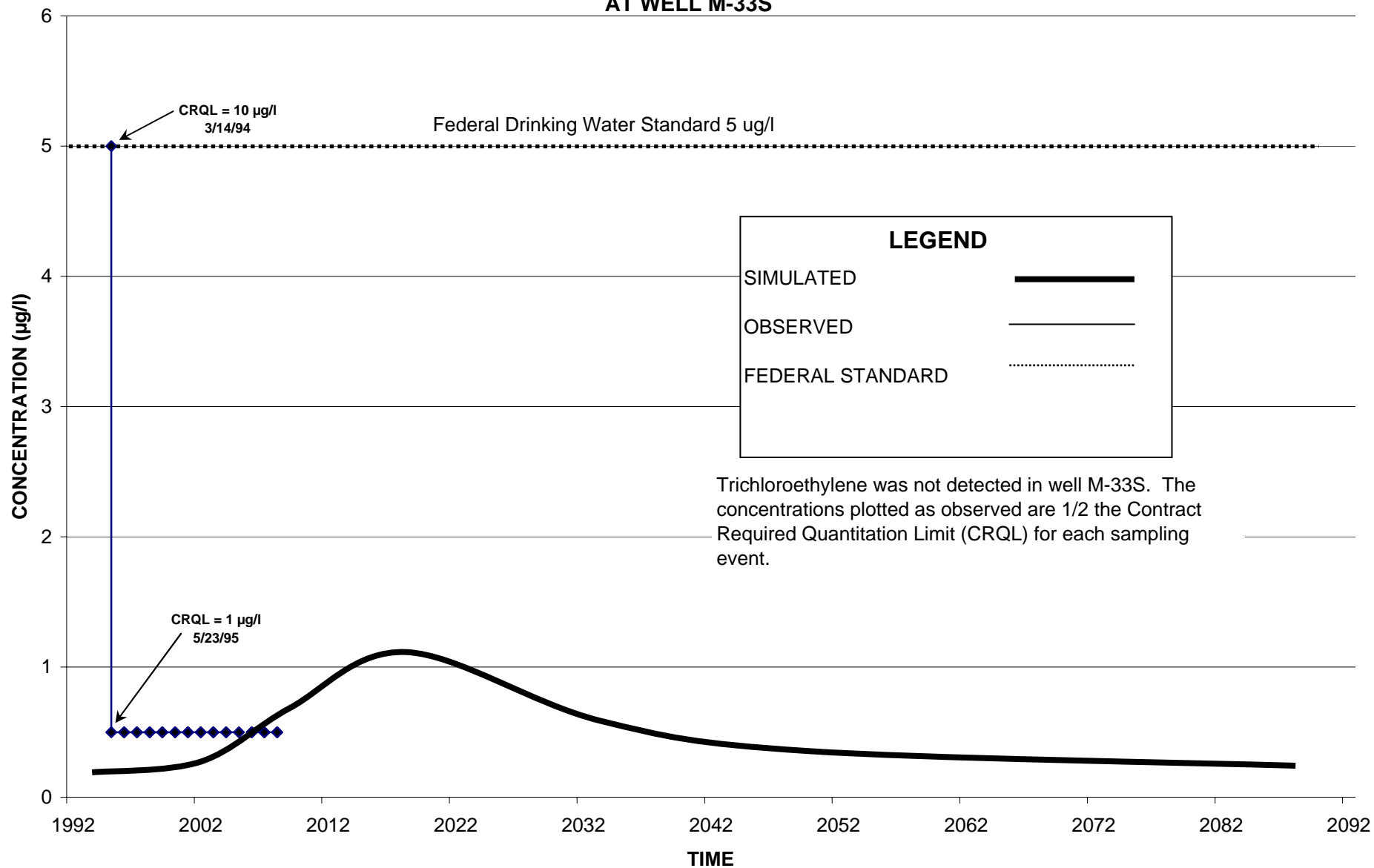
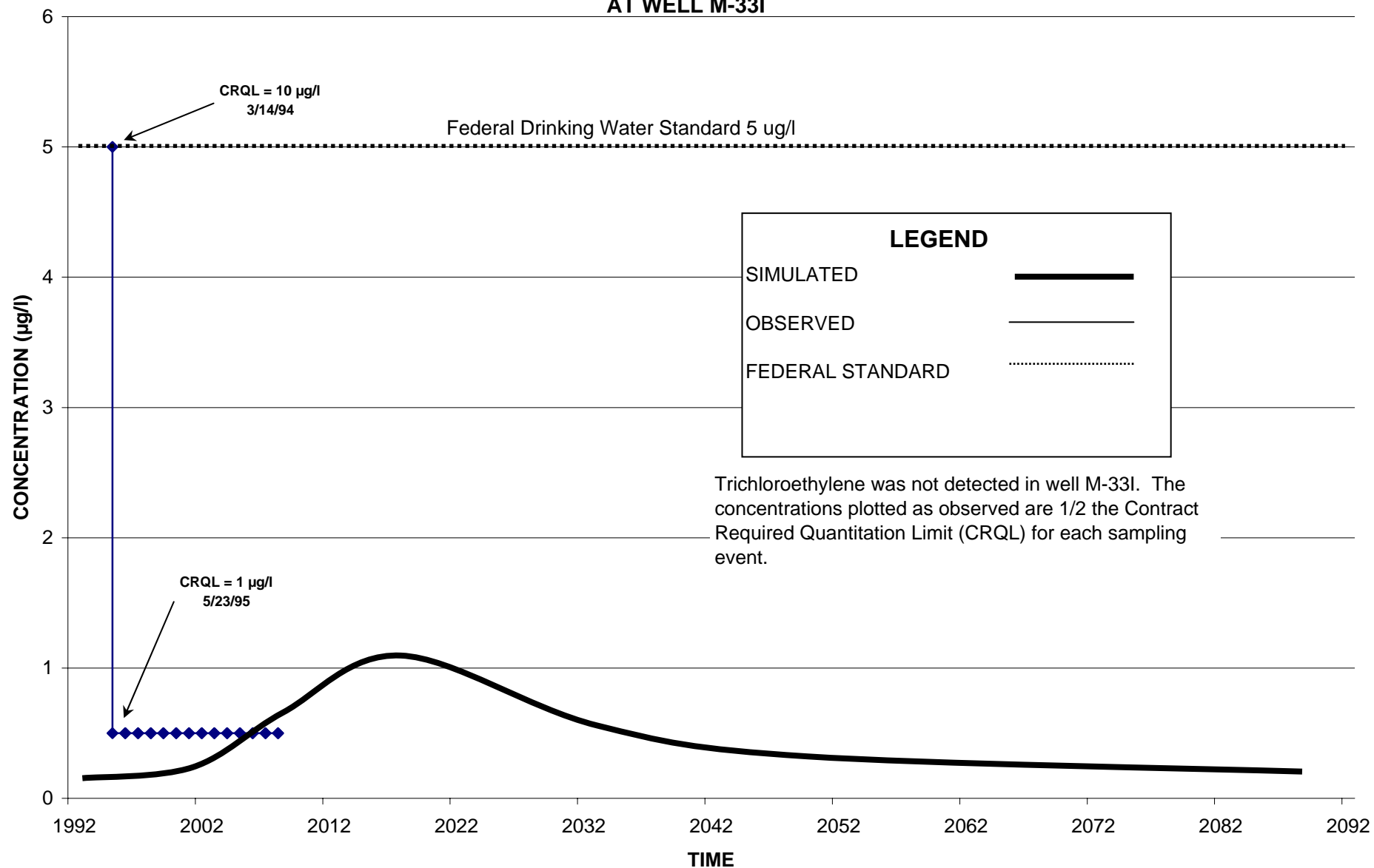
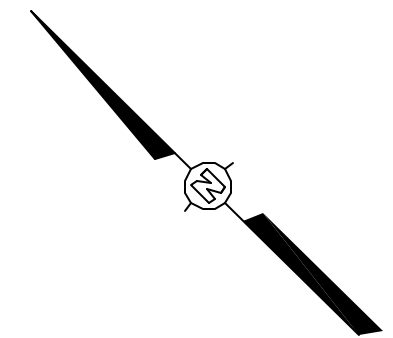






FIGURE 5
SIMULATED VERSUS OBSERVED (OCTOBER 2008)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33I





	RECOVERY WELL
	WELL PAIR LOCATION
	SINGLE WELL LOCATION
	GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
291.92	GROUNDWATER ELEVATION IN FEET

- 1) LOCATIONS OF RW-1D AND RW-2D ARE APPROXIMATE.
- 2) M-34 AND M-15 WERE NOT USED FOR CONTOURING.

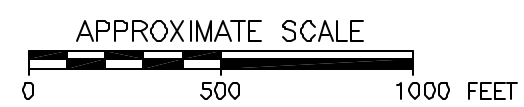
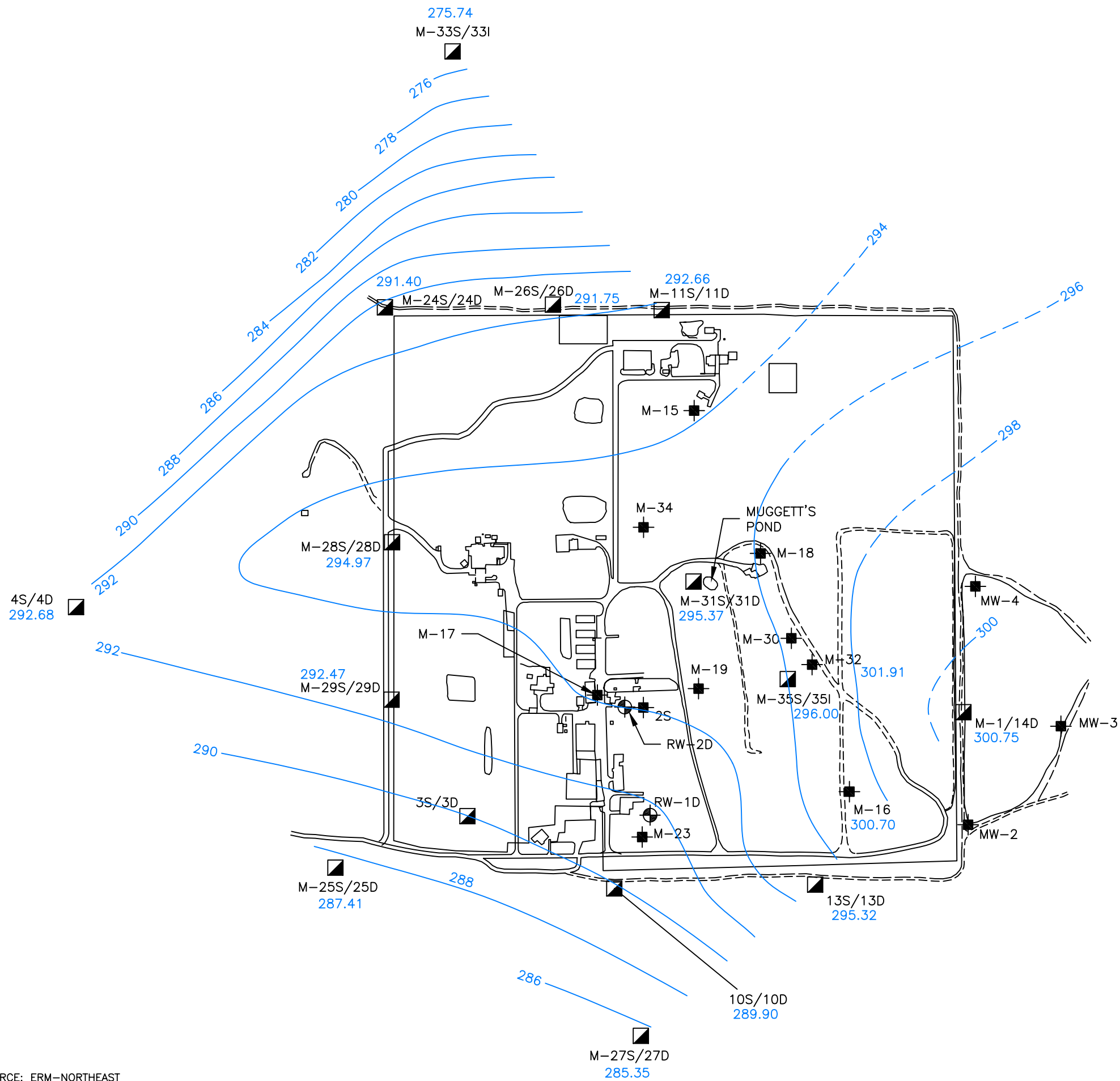
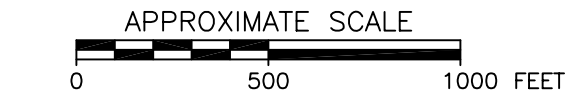
MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 6A
SHALLOW GROUNDWATER ELEVATION
CONTOUR MAP
OCTOBER 2008

REFERENCE:
BASE MAP SOURCE: ERM-NORTHEAST
ENVIRONMENTAL RESOURCES MANAGEMENT



NOTE:
LOCATIONS OF RW-1D AND RW-2D ARE APPROXIMATE.



 Shaw Environmental, Inc.	MALTA ROCKET FUEL AREA SITE MALTA, NEW YORK
	FIGURE 6B DEEP GROUNDWATER ELEVATION CONTOUR MAP OCTOBER 2008

APPENDIX A

***LABORATORY DATA, INFLUENT/EFFLUENT WATER
SAMPLES***

AUGUST 6, 2008

September 4, 2008

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

Proj. GE MRFA (Malta)
Proj #
File Code: 8A

Re: GE - MRFA
Submission # R2845291
SDG # INFLUENT

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of three water samples and one trip blank were received by our laboratory on August 8, 2008.

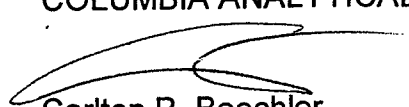
Any problems encountered with this project are addressed in a case narrative section, which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. A copy of the data package and summary package has been mailed to Judy Harry. 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,

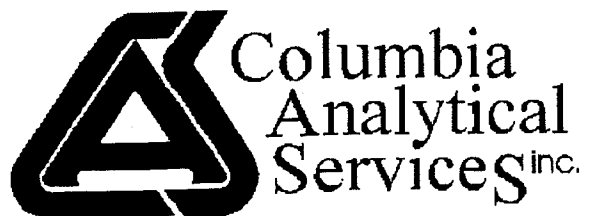
COLUMBIA ANALYTICAL SERVICES



Carlton R. Beechler
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853



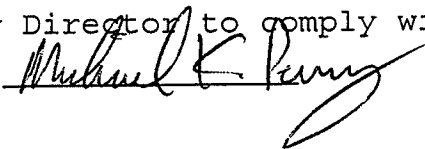
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Lab Submission # : R2845271
Contact Person : Carlton Beechler
Phone Number : (585) 288-5380
Reported : 09/03/08

Report Contains a total of 39 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. 

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #129926
SUBMISSION #: R2845271

Shaw samples were sampled on 8/6/08 and received at CAS on 8/8/08 in good condition, but over the required 1-6 degree C receipt temperature range.

VOLATILE ORGANICS

Three water samples and one trip blank were analyzed for Low Level Volatiles by OLC2.1 CLP methodology. A cooler blank was added to the SDG upon receipt.

Hits between the MDL and PQL are flagged with a "J" as estimated.

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the OLC 2.1 VOA analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Site specific QC was performed on samples INFLUENT and as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) were within acceptable range. The Relative Percent Differences between the MS/MSD were within limits. All Laboratory Control Sample recoveries were within limits.

Carbon Tetrachloride and Trichloroethene were detected in sample INFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution to bring the over-range compounds within the calibration range of the instrument. Both sets of data are reported.

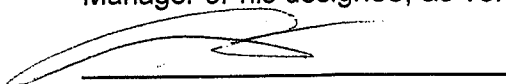
The Laboratory Blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone. Affected data is "B" flagged.

The Cooler Blank and Trip Blank associated with these samples were free of contamination with the exception of low level hits of Dibromochloromethane and Bromoform in the Cooler Blank.

All samples were analyzed within CLP holding times.

No 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 hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:



000002

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

[illegible]



ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).
- Q - for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is $\geq 100\%$ difference for the detected concentrations between the two GC columns.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.
- * - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved

Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

Cooler Receipt And Preservation Check Form

ject/Client Shaw - GTE Submission Number RA-45271Cooler received on 8/8/08 by: LM COURIER: CAS UPS FEDEX VELOCITY CLIENT

Were custody seals on outside of cooler?

YES NO

Were custody papers properly filled out (ink, signed, etc.)?

YES NO

Did all bottles arrive in good condition (unbroken)?

YES NO

Did any VOA vials have significant* air bubbles?

YES NO N/AWere Ice or Ice packs present? ALL MELTEDYES NO

Where did the bottles originate?

CAS/ROC, CLIENTTemperature of cooler(s) upon receipt: 17°C

Is the temperature within 0° - 6° C?:

Yes

Yes

Yes

Yes

Yes

If No, Explain Below

No

No

No

No

No

Date/Time Temperatures Taken: 8/8/08 1040Thermometer ID: 161 / IR GUN#2 / IR GUN#3 Reading From: Temp Blank / Sample Bottle

f out of Temperature, note packing/ice condition, Client Approval to Run Samples: _____

PC Secondary Review: LM 8/8/08Cooler Breakdown: Date: 8-8-08 by: ME

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								
≤2	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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>ESDA11</u>	<u>07/09</u>				

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 8-116-003

Other Comments: _____

PC Secondary Review: LM 9/3/08

*significant air bubbles are greater than 5-6 mm

000006

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	1	U	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	5	U	
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	
74-97-5	Bromochloromethane	1	U	
67-66-3	Chloroform	5		
107-06-2	1,2-Dichloroethane	1	U	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	38	E	
71-43-2	Benzene	1	U	
79-01-6	Trichloroethene	56	E	
78-87-5	1,2-Dichloropropane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	0.2	J	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	0.6	J	
541-73-1	1,3-Dichlorobenzene	1	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124913 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1164.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	7	JBD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	5	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	33	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	50	D
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	0.3	JD
541-73-1	1,3-Dichlorobenzene	2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1124913 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1164.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/15/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124913 2.5
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1164.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		1	JB
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		0.1	J
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		0.2	J
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		0.4	J
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/15/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/14/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	JB
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		0.2	J
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		0.5	J
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		0.2	J
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		0.6	J
541-73-1	1,3-Dichlorobenzene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. Date Analyzed: 8/15/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	LCS	102	0
02	VBLK	98	0
03	TRIP BLANK	98	0
04	EFFLUENT	96	0
05	INFLUENT	97	0
06	INFLUENTMS	103	0
07	INFLUENTMSD	104	0
08	INFLUENTDL	97	0
09	DUPE	97	0
10	COOLER BLK	98	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene

(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix Spike - EPA Sample No INFLUENT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.2	104	60 - 140
1,2-Dichloroethane	5.0	0.0	5.2	104	60 - 140
Carbon Tetrachloride	5.0	38	43	100	60 - 140
Benzene	5.0	0.0	5.3	106	60 - 140
Trichloroethene	5.0	56	60	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.1	102	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.2	104	60 - 140
1,2-Dibromoethane	5.0	0.0	5.2	104	60 - 140
Bromoform	5.0	0.56	5.7	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Vinyl Chloride	5.0	5.2	104	0	30	60 - 140
1,2-Dichloroethane	5.0	5.1	102	2	30	60 - 140
Carbon Tetrachloride	5.0	42	80	22	30	60 - 140
Benzene	5.0	5.3	106	0	30	60 - 140
Trichloroethene	5.0	60	80	0	30	60 - 140
1,2-Dichloropropane	5.0	5.5	110	4	30	60 - 140
cis-1,3-Dichloropropene	5.0	5.1	102	0	30	60 - 140
1,1,2-Trichloroethane	5.0	5.8	116	11	30	60 - 140
Tetrachloroethene	5.0	5.2	104	0	30	60 - 140
1,2-Dibromoethane	5.0	5.2	104	0	30	60 - 140
Bromoform	5.0	5.5	98	4	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	0	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129971 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1161.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	6	
67-66-3	Chloroform	11	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	43	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	60	E
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	6	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	6	
75-25-2	Bromoform	6	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1129971 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1161.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129972 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1162.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	6	
67-66-3	Chloroform	11	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	42	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	60	E
78-87-5	1,2-Dichloropropane	6	
75-27-4	Bromodichloromethane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	6	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	6	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	6	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1129972 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1162.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix Spike - EPA Sample No LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.8	96	60 - 140
1,2-Dichloroethane	5.0	0.0	5.2	104	60 - 140
Carbon Tetrachloride	5.0	0.0	5.0	100	60 - 140
Benzene	5.0	0.0	5.1	102	60 - 140
Trichloroethene	5.0	0.0	5.3	106	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.4	108	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.3	106	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.2	104	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129970 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1155.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	6	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	25	
75-15-0	Carbon Disulfide	23	
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	25	
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	27	
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	25	
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1129970 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1155.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 8/14/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Lab File ID: W1157.D Lab Sample ID: 1129969 1.0
 Date Analyzed: 8/14/08 Time Analyzed: 21:00
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N
 Instrument ID: GCMS#6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	1129970 1.0	W1155.D	19:52
02	TRIP BLANK	1124917 1.0	W1158.D	21:36
03	EFFLUENT	1124916 1.0	W1159.D	22:11
04	INFLUENT	1124913 1.0	W1160.D	22:47
05	INFLUENTMS	1129971 1.0	W1161.D	23:22
06	INFLUENTMSD	1129972 1.0	W1162.D	23:58
07	INFLUENTDL	1124913 2.5	W1164.D	1:09
08	DUPE	1124915 1.0	W1165.D	1:44
09	COOLER BLK	1124918 1.0	W1166.D	2:19

COMMENTS

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

5A

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Lab File ID: W1146.D BFB Injection Date: 8/14/08
 Instrument ID: GCMS#6 BFB Injection Time: 14:28
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.8
75	30.0 - 66.0% of mass 95	54.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	106.4
175	4.0 - 9.0% of mass 174	8.0 (7.5)1
176	93.0 - 101.0% of mass 174	101.7 (95.6)1
177	5.0 - 9.0% of mass 176	5.8 (5.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001 / 5	VSTD001 / 5	W1148.D	8/14/08	15:42
02	VSTD002 / 10	VSTD002 / 10	W1149.D	8/14/08	16:18
03	VSTD010 / 50	VSTD010 / 50	W1151.D	8/14/08	17:44
04	VSTD005 / 25	VSTD005 / 25	W1152.D	8/14/08	18:19
05	VSTD025 / 125	VSTD025 / 125	W1153.D	8/14/08	18:51
06	LCS	1129970 1.0	W1155.D	8/14/08	19:52
07	VLK	1129969 1.0	W1157.D	8/14/08	21:00
08	TRIP BLANK	1124917 1.0	W1158.D	8/14/08	21:36
09	EFFLUENT	1124916 1.0	W1159.D	8/14/08	22:11
10	INFLUENT	1124913 1.0	W1160.D	8/14/08	22:47
11	INFLUENTMS	1129971 1.0	W1161.D	8/14/08	23:22
12	INFLUENTMSD	1129972 1.0	W1162.D	8/14/08	23:58
13	INFLUENTDL	1124913 2.5	W1164.D	8/15/08	1:09
14	DUPE	1124915 1.0	W1165.D	8/15/08	1:44
15	COOLER BLK	1124918 1.0	W1166.D	8/15/08	2:19

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Lab File ID (Standard): W1152.D Date Analyzed: 8/14/08
 Instrument ID: GCMS#6 Time Analyzed: 18:19
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		578770	5.73	471240	8.74	235125	10.81
UPPER LIMIT		1157540	6.23	942480	9.24	470250	11.31
LOWER LIMIT		289385	5.23	235620	8.24	117563	10.31
EPA SAMPLE NO.							
01	LCS	605296	5.73	485757	8.74	244433	10.80
02	VLK	608870	5.73	501668	8.74	233714	10.81
03	TRIP BLANK	598119	5.73	503733	8.74	242645	10.81
04	EFFLUENT	605223	5.73	498177	8.74	228929	10.81
05	INFLUENT	603136	5.73	476009	8.74	226552	10.81
06	INFLUENTMS	604759	5.73	491691	8.74	252568	10.81
07	INFLUENTMSD	610568	5.73	497567	8.74	255808	10.80
08	INFLUENTDL	605959	5.73	499894	8.74	241772	10.81
09	DUPE	600333	5.73	489204	8.74	234242	10.81
10	COOLER BLK	604469	5.73	496406	8.74	232988	10.80

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

September 4, 2008

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

Proj. GE MRFA (malta)
Proj # _____
File Code: SA

Re: GE - MRFA
Submission # R2845291
SDG # INFLUENT

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of three water samples and one trip blank were received by our laboratory on August 8, 2008.

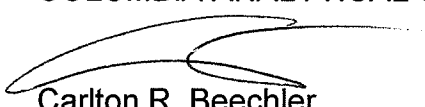
Any problems encountered with this project are addressed in a case narrative section, which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. A copy of the data package and summary package has been mailed to Judy Harry. 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,

COLUMBIA ANALYTICAL SERVICES



Carlton R. Beechler
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853



1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Lab Submission # : R2845271
Contact Person : Carlton Beechler
Phone Number : (585) 288-5380
Reported : 09/03/08

Report Contains a total of 138 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

SDG NARRATIVE

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #129926
SUBMISSION #: R2845271

Shaw samples were sampled on 8/6/08 and received at CAS on 8/8/08 in good condition, but over the required 1-6 degree C receipt temperature range.

VOLATILE ORGANICS

Three water samples and one trip blank were analyzed for Low Level Volatiles by OLC2.1 CLP methodology. A cooler blank was added to the SDG upon receipt.

Hits between the MDL and PQL are flagged with a "J" as estimated.

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the OLC 2.1 VOA analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Site specific QC was performed on samples INFLUENT and as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) were within acceptable range. The Relative Percent Differences between the MS/MSD were within limits. All Laboratory Control Sample recoveries were within limits.

Carbon Tetrachloride and Trichloroethene were detected in sample INFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution to bring the over-range compounds within the calibration range of the instrument. Both sets of data are reported.

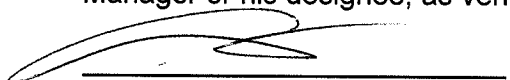
The Laboratory Blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone. Affected data is "B" flagged.

The Cooler Blank and Trip Blank associated with these samples were free of contamination with the exception of low level hits of Dibromochloromethane and Bromoform in the Cooler Blank.

All samples were analyzed within CLP holding times.

No 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 hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:



00003

SECRET

8/19/2008



ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).
- Q - for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is \geq 100% difference for the detected concentrations between the two GC columns.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.
- * - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

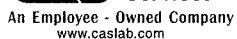
CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved

Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

CHAINS OF CUSTODY

INTERNAL CHAINS



SR #	
CAS Contact	

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF 1

[illegible]

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Shaw - GLE Submission Number R2-45271

Cooler received on 8/8/08 by: UMC COURIER: CAS (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 any VOA vials have significant* air bubbles? (YES) (NO) N/A
5. Were Ice or Ice packs present? ALL MELTED (YES) NO
6. Where did the bottles originate? CAS/ROC, CLIENT
7. Temperature of cooler(s) upon receipt: 17°C

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below (No) No No No No

Date/Time Temperatures Taken: 8/8/08 1040

Thermometer ID: 161 / IR GUN#2 / IR GUN#3 Reading From: Temp Blank / Sample Bottle

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

PC Secondary Review: JMS 8/8/08

Cooler Breakdown: Date: 8-8-08 by: NE

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								
≤2	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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	*	*	ES0A11	07/09				

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 8-116-003

Other Comments: _____

PC Secondary Review: JMS 9/3/08

*significant air bubbles are greater than 5-6 mm

Chain of Custody

Submission: R2845271 **Client:** Shaw Environmental

Lab ID: 1124913 **Matrix:** WATER

Received into CAS-Rochester Custody: 8/8/08

Container: 11249131

Date of Custody	User	Dept	Storage Location	Purpose	Empty
08/08/08 14:22	gesmeria	Sample Management	Cooler 1	Storage	<input type="checkbox"/>
08/14/08 16:53	dlipani	GC/MS Volatiles	Cooler 1	Analysis	<input type="checkbox"/>
08/14/08 20:25	dlipani	GC/MS Volatiles	Cooler 1 - S11	Storage	<input type="checkbox"/>

Lab ID: 1124915 **Matrix:** WATER

Received into CAS-Rochester Custody: 8/8/08

Container: 11249151

Date of Custody	User	Dept	Storage Location	Purpose	Empty
08/08/08 14:22	gesmeria	Sample Management	Cooler 1	Storage	<input type="checkbox"/>
08/14/08 16:53	dlipani	GC/MS Volatiles	Cooler 1	Analysis	<input type="checkbox"/>
08/14/08 20:25	dlipani	GC/MS Volatiles	Cooler 1 - S11	Storage	<input type="checkbox"/>

Lab ID: 1124916 **Matrix:** WATER

Received into CAS-Rochester Custody: 8/8/08

Container: 11249161

Date of Custody	User	Dept	Storage Location	Purpose	Empty
08/08/08 14:22	gesmeria	Sample Management	Cooler 1	Storage	<input type="checkbox"/>
08/14/08 16:53	dlipani	GC/MS Volatiles	Cooler 1	Analysis	<input type="checkbox"/>
08/14/08 20:25	dlipani	GC/MS Volatiles	Cooler 1 - S11	Storage	<input type="checkbox"/>

Lab ID: 1124917 **Matrix:** WATER

Received into CAS-Rochester Custody: 8/8/08

Container: 11249171

Date of Custody	User	Dept	Storage Location	Purpose	Empty
08/08/08 14:22	gesmeria	Sample Management	Cooler 1	Storage	<input type="checkbox"/>
08/14/08 16:53	dlipani	GC/MS Volatiles	Cooler 1	Analysis	<input type="checkbox"/>
08/14/08 20:25	dlipani	GC/MS Volatiles	Cooler 1 - S11	Storage	<input type="checkbox"/>

Chain of Custody

Submission: R2845271 **Client:** Shaw Environmental

Lab ID: 1124918 **Matrix:** WATER

Received into CAS-Rochester Custody: 8/8/08

Container: 11249181

Date of Custody	User	Dept	Storage Location	Purpose	Empty
08/08/08 14:22	gesmeria	Sample Management	Cooler 1	Storage	<input type="checkbox"/>
08/14/08 16:53	dlipani	GC/MS Volatiles	Cooler 1	Analysis	<input type="checkbox"/>
08/14/08 20:25	dlipani	GC/MS Volatiles	Cooler 1 - S11	Storage	<input type="checkbox"/>

VOLATILE ORGANICS

QC SUMMARY

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	LCS	102	0
02	VLK	98	0
03	TRIP BLANK	98	0
04	EFFLUENT	96	0
05	INFLUENT	97	0
06	INFLUENTMS	103	0
07	INFLUENTMSD	104	0
08	INFLUENTDL	97	0
09	DUPE	97	0
10	COOLER BLK	98	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene

(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent
 Matrix Spike - EPA Sample No LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.8	96	60 - 140
1,2-Dichloroethane	5.0	0.0	5.2	104	60 - 140
Carbon Tetrachloride	5.0	0.0	5.0	100	60 - 140
Benzene	5.0	0.0	5.1	102	60 - 140
Trichloroethene	5.0	0.0	5.3	106	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.4	108	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.3	106	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.2	104	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

COMMENTS:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH

Contract: IT Latham

Lab Code: 10145

Case No.: R8-45271

SAS No.:

SDG No.: Influent

Matrix Spike - EPA Sample No INFLUENT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.2	104	60 - 140
1,2-Dichloroethane	5.0	0.0	5.2	104	60 - 140
Carbon Tetrachloride	5.0	38	43	100	60 - 140
Benzene	5.0	0.0	5.3	106	60 - 140
Trichloroethene	5.0	56	60	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.1	102	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.2	104	60 - 140
1,2-Dibromoethane	5.0	0.0	5.2	104	60 - 140
Bromoform	5.0	0.56	5.7	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Vinyl Chloride	5.0	5.2	104	0	30	60 - 140
1,2-Dichloroethane	5.0	5.1	102	2	30	60 - 140
Carbon Tetrachloride	5.0	42	80	22	30	60 - 140
Benzene	5.0	5.3	106	0	30	60 - 140
Trichloroethene	5.0	60	80	0	30	60 - 140
1,2-Dichloropropane	5.0	5.5	110	4	30	60 - 140
cis-1,3-Dichloropropene	5.0	5.1	102	0	30	60 - 140
1,1,2-Trichloroethane	5.0	5.8	116	11	30	60 - 140
Tetrachloroethene	5.0	5.2	104	0	30	60 - 140
1,2-Dibromoethane	5.0	5.2	104	0	30	60 - 140
Bromoform	5.0	5.5	98	4	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	0	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

VBLK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Lab File ID: W1157.D Lab Sample ID: 1129969 1.0
Date Analyzed: 8/14/08 Time Analyzed: 21:00
GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N
Instrument ID: GCMS#6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	1129970 1.0	W1155.D	19:52
02	TRIP BLANK	1124917 1.0	W1158.D	21:36
03	EFFLUENT	1124916 1.0	W1159.D	22:11
04	INFLUENT	1124913 1.0	W1160.D	22:47
05	INFLUENTMS	1129971 1.0	W1161.D	23:22
06	INFLUENTMSD	1129972 1.0	W1162.D	23:58
07	INFLUENTDL	1124913 2.5	W1164.D	1:09
08	DUPE	1124915 1.0	W1165.D	1:44
09	COOLER BLK	1124918 1.0	W1166.D	2:19

COMMENTS

5A

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Lab File ID: W1146.D BFB Injection Date: 8/14/08
 Instrument ID: GCMS#6 BFB Injection Time: 14:28
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.8
75	30.0 - 66.0% of mass 95	54.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	106.4
175	4.0 - 9.0% of mass 174	8.0 (7.5)1
176	93.0 - 101.0% of mass 174	101.7 (95.6)1
177	5.0 - 9.0% of mass 176	5.8 (5.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001 / 5	VSTD001 / 5	W1148.D	8/14/08	15:42
02	VSTD002 / 10	VSTD002 / 10	W1149.D	8/14/08	16:18
03	VSTD010 / 50	VSTD010 / 50	W1151.D	8/14/08	17:44
04	VSTD005 / 25	VSTD005 / 25	W1152.D	8/14/08	18:19
05	VSTD025 / 125	VSTD025 / 125	W1153.D	8/14/08	18:51
06	LCS	1129970 1.0	W1155.D	8/14/08	19:52
07	VBLK	1129969 1.0	W1157.D	8/14/08	21:00
08	TRIP BLANK	1124917 1.0	W1158.D	8/14/08	21:36
09	EFFLUENT	1124916 1.0	W1159.D	8/14/08	22:11
10	INFLUENT	1124913 1.0	W1160.D	8/14/08	22:47
11	INFLUENTMS	1129971 1.0	W1161.D	8/14/08	23:22
12	INFLUENTMSD	1129972 1.0	W1162.D	8/14/08	23:58
13	INFLUENTDL	1124913 2.5	W1164.D	8/15/08	1:09
14	DUPE	1124915 1.0	W1165.D	8/15/08	1:44
15	COOLER BLK	1124918 1.0	W1166.D	8/15/08	2:19

BFB

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1146.D

Vial: 11

Acq On : 14 Aug 2008 2:28 pm

Operator: LIPANI

Sample : TUNE CHECK w T0814A8.U

Inst : MS#6

Misc : OLC 2.1

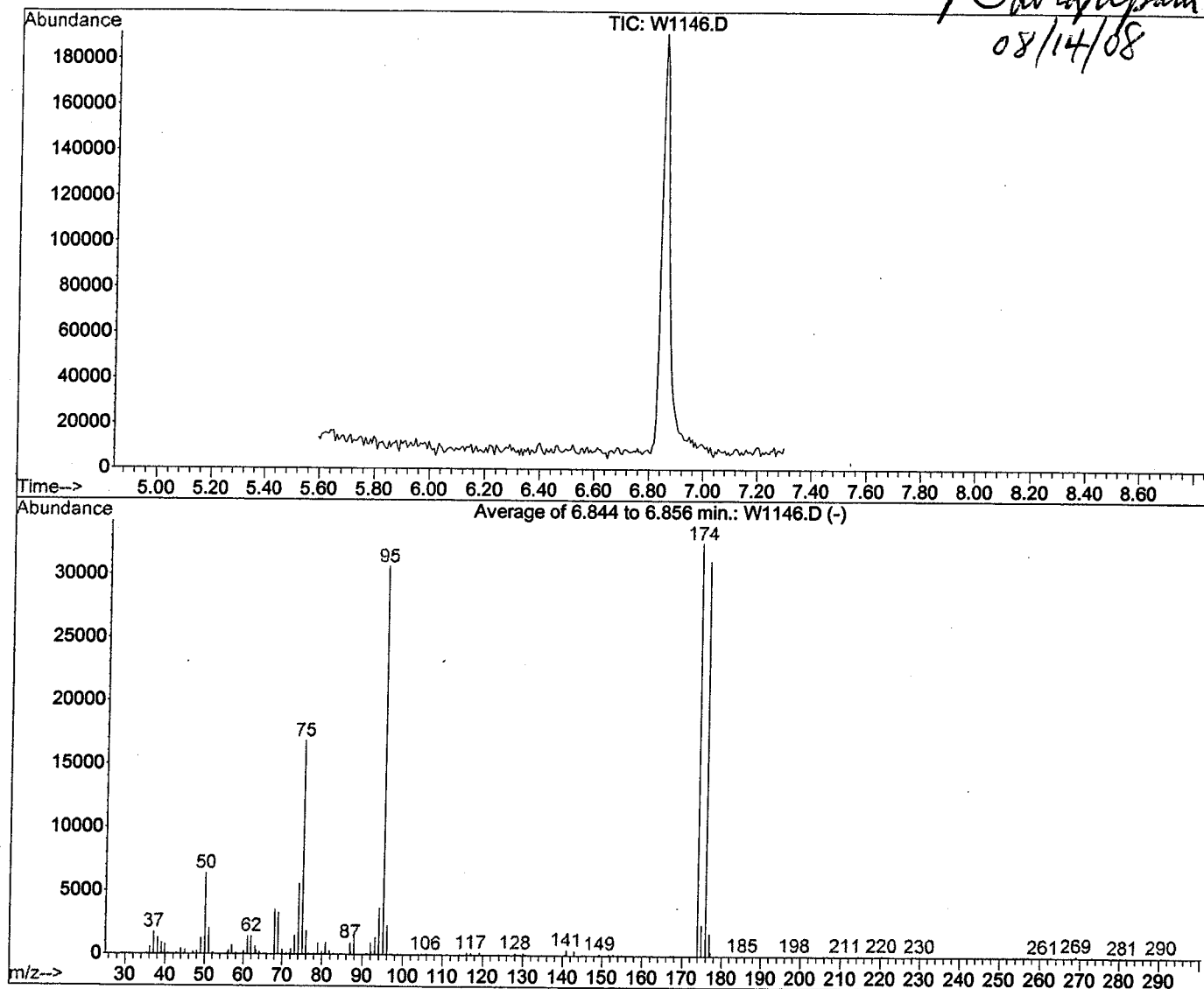
Multiplr: 1.00

MS Integration Params: CPD4.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

David Lipani
08/14/08



AutoFind: Scans 206, 207, 208; Background Corrected with Scan 200

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.8	6370	PASS
75	95	30	66	54.9	16813	PASS
95	95	100	100	100.0	30640	PASS
96	95	5	9	7.5	2304	PASS
173	174	0.00	2	0.2	49	PASS
174	95	50	120	106.4	32592	PASS
175	174	4	9	7.5	2451	PASS
176	174	93	101	95.6	31155	PASS
177	176	5	9	5.7	1763	PASS

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Lab File ID (Standard): W1152.D Date Analyzed: 8/14/08
 Instrument ID: GCMS#6 Time Analyzed: 18:19
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		578770	5.73	471240	8.74	235125	10.81
UPPER LIMIT		1157540	6.23	942480	9.24	470250	11.31
LOWER LIMIT		289385	5.23	235620	8.24	117563	10.31
EPA SAMPLE NO.							
01	LCS	605296	5.73	485757	8.74	244433	10.80
02	VLK	608870	5.73	501668	8.74	233714	10.81
03	TRIP BLANK	598119	5.73	503733	8.74	242645	10.81
04	EFFLUENT	605223	5.73	498177	8.74	228929	10.81
05	INFLUENT	603136	5.73	476009	8.74	226552	10.81
06	INFLUENTMS	604759	5.73	491691	8.74	252568	10.81
07	INFLUENTMSD	610568	5.73	497567	8.74	255808	10.80
08	INFLUENTDL	605959	5.73	499894	8.74	241772	10.81
09	DUPE	600333	5.73	489204	8.74	234242	10.81
10	COOLER BLK	604469	5.73	496406	8.74	232988	10.80

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

Columbia Analytical Services

(OLC 2.1)

MDL Study Report

Run Date: 06/18/08

MDL Study ID: MDL279

Analytical Method: CLP-VOA
 Extraction Method: EPA 5030
 Matrix: WATER
 Instrument: MS#6

Column: MS

Analyte Name	True Value	Mean	Standard Deviation	T-Value	MDL Value	Units	%RSD	Average Recovery	MDL Qualifier notes
1,1,1-Trichloroethane (TCA)	0.500	0.470	0.0258	3.143	0.081	ug/L	5	94	Valid MDL Data
1,1,2,2-Tetrachloroethane	0.500	0.464	0.0479	3.143	0.15	ug/L	10	93	Valid MDL Data
1,1,2-Trichloroethane	0.500	0.471	0.0385	3.143	0.12	ug/L	8	94	Valid MDL Data
1,1-Dichloroethane	0.500	0.503	0.0377	3.143	0.12	ug/L	8	101	Valid MDL Data
1,1-Dichloroethene	0.500	0.510	0.0365	3.143	0.11	ug/L	7	102	Valid MDL Data
1,2,3-Trichlorobenzene	0.500	0.420	0.0191	3.143	0.060	ug/L	5	84	Valid MDL Data
1,2,4-Trichlorobenzene	0.500	0.436	0.0151	3.143	0.048	ug/L	3	87	Spike level too high (Spike>10*MDL)
1,2-Dibromo-3-chloropropane (DBCP)	0.500	0.534	0.0793	3.143	0.25	ug/L	15	107	Valid MDL Data
1,2-Dibromoethane (EDB)	0.500	0.467	0.0427	3.143	0.13	ug/L	9	93	Valid MDL Data
1,2-Dichlorobenzene	0.500	0.480	0.0252	3.143	0.079	ug/L	5	96	Valid MDL Data
1,2-Dichloroethane (EDC)	0.500	0.517	0.0547	3.143	0.17	ug/L	11	103	Valid MDL Data
1,2-Dichloropropane	0.500	0.473	0.0330	3.143	0.10	ug/L	7	95	Valid MDL Data
1,3-Dichlorobenzene	0.500	0.469	0.0195	3.143	0.061	ug/L	4	94	Valid MDL Data
1,4-Dichlorobenzene	0.500	0.497	0.0236	3.143	0.074	ug/L	5	99	Valid MDL Data
2-Butanone (MEK)	5.00	4.43	0.450	3.143	1.4	ug/L	10	89	Valid MDL Data
2-Hexanone	5.00	3.28	0.366	3.143	1.1	ug/L	11	66	Valid MDL Data
4-Methyl-2-pentanone (MIBK)	5.00	3.66	0.167	3.143	0.53	ug/L	5	73	Valid MDL Data
Acetone	5.00	5.97	0.309	3.143	0.97	ug/L	5	119	Valid MDL Data
Benzene	0.500	0.450	0.0183	3.143	0.057	ug/L	4	90	Valid MDL Data
Bromochloromethane	0.500	0.496	0.0321	3.143	0.10	ug/L	6	99	Valid MDL Data
Bromodichloromethane	0.500	0.483	0.0160	3.143	0.050	ug/L	3	97	Valid MDL Data
Bromoform	0.500	0.460	0.0265	3.143	0.083	ug/L	6	92	Valid MDL Data
Bromomethane	0.500	0.523	0.132	3.143	0.42	ug/L	25	105	Valid MDL Data
Carbon Disulfide	1.00	0.967	0.0637	3.143	0.20	ug/L	7	97	Valid MDL Data
Carbon Tetrachloride	0.500	0.477	0.0229	3.143	0.072	ug/L	5	95	Valid MDL Data
Chlorobenzene	0.500	0.481	0.0273	3.143	0.086	ug/L	6	96	Valid MDL Data
Chloroethane	0.500	0.561	0.0297	3.143	0.093	ug/L	5	112	Valid MDL Data
Chloroform	0.500	0.509	0.0367	3.143	0.12	ug/L	7	102	Valid MDL Data
Chloromethane	0.500	0.559	0.0426	3.143	0.13	ug/L	8	112	Valid MDL Data
cis-1,2-Dichloroethene	0.500	0.467	0.0320	3.143	0.10	ug/L	7	93	Valid MDL Data
cis-1,3-Dichloropropene	0.500	0.419	0.0219	3.143	0.069	ug/L	5	84	Valid MDL Data

Supervisor Approval: _____

QA/QC Approval: _____

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Columbia Analytical Services

MDL Study Report

Analytical Method: CLP-VOA
Extraction Method: EPA 5030
Matrix: WATER
Instrument: MS#6

MDL Study ID: MDL279

Column: MS

Analyte Name	True Value	Mean	Standard Deviation	T-Value	MDL Value	Units	%RSD	Average Recovery	MDL Qualifier notes
Dibromochloromethane	0.500	0.456	0.0412	3.143	0.13	ug/L	9	91	Valid MDL Data
Ethylbenzene	0.500	0.384	0.0181	3.143	0.057	ug/L	5	77	Valid MDL Data
Hexachlorobutadiene	0.500	0.471	0.0389	3.143	0.12	ug/L	8	94	Valid MDL Data
m,p-Xylenes	1.00	0.754	0.0412	3.143	0.13	ug/L	5	75	Valid MDL Data
Methyl tert-Butyl Ether	0.500	0.437	0.0243	3.143	0.076	ug/L	6	87	Valid MDL Data
Methylene Chloride	0.500	0.530	0.0342	3.143	0.11	ug/L	6	106	Valid MDL Data
o-Xylene	0.500	0.370	0.0238	3.143	0.075	ug/L	6	74	Valid MDL Data
Styrene	0.500	0.341	0.0168	3.143	0.053	ug/L	5	68	Valid MDL Data
Tetrachloroethene (PCE)	0.500	0.473	0.0263	3.143	0.083	ug/L	6	95	Valid MDL Data
Toluene	0.500	0.421	0.0157	3.143	0.049	ug/L	4	84	Spike level too high (Spike>10*MDL)
trans-1,2-Dichloroethene	0.500	0.483	0.0293	3.143	0.092	ug/L	6	97	Valid MDL Data
trans-1,3-Dichloropropene	0.500	0.400	0.0252	3.143	0.079	ug/L	6	80	Valid MDL Data
Trichloroethene (TCE)	0.500	0.474	0.0244	3.143	0.077	ug/L	5	95	Valid MDL Data
Trichlorofluoromethane	0.500	0.513	0.0382	3.143	0.12	ug/L	7	103	Valid MDL Data
Vinyl Chloride	0.500	0.521	0.0406	3.143	0.13	ug/L	8	104	Valid MDL Data

Supervisor Approval: _____

QA/QC Approval: _____

Printed: 07/03/2008 16:15:14

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Columbia Analytical Services

MDL Study Report

Analytical Method: CLP-VOA
 Extraction Method: EPA 5030
 Matrix: WATER
 Instrument: MS#6

MDL Study ID: MDL279

Column: MS

File ID	Data File	Data Path	AcqDate	File ID	Data File	Data Path	AcqDate
A	W0134.D	J:\ACQUDATA\MSVOA6\DATA\06180	06/18/2008 18:07	E	W0153.D	J:\ACQUDATA\MSVOA6\DATA\06180	06/19/2008 05:22
B	W0136.D	J:\ACQUDATA\MSVOA6\DATA\06180	06/18/2008 19:16	F	W0155.D	J:\ACQUDATA\MSVOA6\DATA\06180	06/19/2008 06:33
C	W0138.D	J:\ACQUDATA\MSVOA6\DATA\06180	06/18/2008 20:28	G	W0142.D	J:\ACQUDATA\MSVOA6\DATA\06180	06/18/2008 22:51
D	W0140.D	J:\ACQUDATA\MSVOA6\DATA\06180	06/18/2008 21:39				

Analyte Name	MDL 1		MDL 2		MDL 3		MDL 4		MDL 5		MDL 6		MDL 7		MDL 8	
	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value
1,1,1-Trichloroethane (TCA)	A	0.500	B	0.460	C	0.440	D	0.500	G	0.490	E	0.450	F	0.450		
1,1,2,2-Tetrachloroethane	A	0.480	B	0.480	C	0.450	D	0.500	G	0.530	E	0.420	F	0.390		
1,1,2-Trichloroethane	A	0.470	B	0.540	C	0.480	D	0.460	G	0.480	E	0.410	F	0.460		
1,1-Dichloroethane	A	0.530	B	0.550	C	0.460	D	0.500	G	0.540	E	0.480	F	0.460		
1,1-Dichloroethene	A	0.550	B	0.500	C	0.480	D	0.560	G	0.530	E	0.480	F	0.470		
1,2,3-Trichlorobenzene	A	0.440	B	0.450	C	0.410	D	0.400	G	0.420	E	0.400	F	0.420		
1,2,4-Trichlorobenzene	A	0.450	B	0.440	C	0.420	D	0.440	G	0.450	E	0.410	F	0.440		
1,2-Dibromo-3-chloropropane (DBCP)	A	0.500	B	0.470	C	0.490	D	0.660	G	0.530	E	0.460	F	0.630		
1,2-Dibromoethane (EDB)	A	0.460	B	0.490	C	0.440	D	0.430	G	0.550	E	0.470	F	0.430		
1,2-Dichlorobenzene	A	0.520	B	0.450	C	0.480	D	0.500	G	0.490	E	0.460	F	0.460		
1,2-Dichloroethane (EDC)	A	0.570	B	0.530	C	0.510	D	0.540	G	0.580	E	0.450	F	0.440		
1,2-Dichloropropane	A	0.510	B	0.470	C	0.430	D	0.520	G	0.470	E	0.470	F	0.440		
1,3-Dichlorobenzene	A	0.490	B	0.470	C	0.480	D	0.480	G	0.470	E	0.460	F	0.430		
1,4-Dichlorobenzene	A	0.520	B	0.520	C	0.500	D	0.500	G	0.510	E	0.470	F	0.460		
2-Butanone (MEK)	A	4.66	B	4.86	C	4.32	D	5.09	G	4.19	E	3.99	F	3.90		
2-Hexanone	A	3.06	B	3.96	C	3.08	D	3.26	G	3.57	E	3.16	F	2.89		
4-Methyl-2-pentanone (MIBK)	A	3.35	B	3.89	C	3.71	D	3.76	G	3.70	E	3.61	F	3.61		
Acetone	A	5.54	B	6.51	C	6.07	D	5.99	G	6.12	E	5.82	F	5.77		
Benzene	A	0.460	B	0.450	C	0.430	D	0.460	G	0.470	E	0.460	F	0.420		
Bromochloromethane	A	0.550	B	0.470	C	0.520	D	0.470	G	0.500	E	0.500	F	0.460		
Bromodichloromethane	A	0.490	B	0.490	C	0.460	D	0.500	G	0.490	E	0.490	F	0.460		
Bromoform	A	0.500	B	0.450	C	0.440	D	0.480	G	0.480	E	0.430	F	0.440		
Bromomethane	A	0.600	B	0.580	C	0.620	D	0.570	G	0.620	E	0.380	F	0.290		
Carbon Disulfide	A	0.890	B	0.980	C	1.02	D	1.02	G	1.04	E	0.890	F	0.930		

Supervisor Approval: _____

QA/QC Approval: _____

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MDL Study Report

MDL Study ID: MDL279

Column: MS

Analyte Name	MDL 1		MDL 2		MDL 3		MDL 4		MDL 5		MDL 6		MDL 7		MDL 8	
	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value
Carbon Tetrachloride	A	0.490	B	0.470	C	0.460	D	0.480	G	0.520	E	0.470	F	0.450		
Chlorobenzene	A	0.510	B	0.470	C	0.470	D	0.490	G	0.520	E	0.470	F	0.440		
Chloroethane	A	0.560	B	0.540	C	0.540	D	0.590	G	0.520	E	0.580	F	0.600		
Chloroform	A	0.560	B	0.520	C	0.490	D	0.540	G	0.520	E	0.470	F	0.460		
Chloromethane	A	0.600	B	0.580	C	0.540	D	0.570	G	0.600	E	0.540	F	0.480		
cis-1,2-Dichloroethene	A	0.500	B	0.470	C	0.490	D	0.470	G	0.490	E	0.440	F	0.410		
cis-1,3-Dichloropropene	A	0.400	B	0.430	C	0.410	D	0.440	G	0.450	E	0.410	F	0.390		
Dibromochloromethane	A	0.480	B	0.460	C	0.470	D	0.490	G	0.490	E	0.380	F	0.420		
Ethylbenzene	A	0.400	B	0.390	C	0.370	D	0.390	G	0.410	E	0.370	F	0.360		
Hexachlorobutadiene	A	0.530	B	0.520	C	0.440	D	0.450	G	0.470	E	0.460	F	0.430		
m,p-Xylenes	A	0.810	B	0.740	C	0.750	D	0.750	G	0.790	E	0.760	F	0.680		
Methyl tert-Butyl Ether	A	0.450	B	0.460	C	0.460	D	0.440	G	0.430	E	0.430	F	0.390		
Methylene Chloride	A	0.570	B	0.550	C	0.520	D	0.550	G	0.550	E	0.480	F	0.490		
o-Xylene	A	0.410	B	0.380	C	0.360	D	0.370	G	0.370	E	0.370	F	0.330		
Styrene	A	0.370	B	0.340	C	0.320	D	0.350	G	0.350	E	0.330	F	0.330		
Tetrachloroethene (PCE)	A	0.490	B	0.480	C	0.460	D	0.480	G	0.480	E	0.500	F	0.420		
Toluene	A	0.420	B	0.410	C	0.400	D	0.440	G	0.440	E	0.430	F	0.410		
trans-1,2-Dichloroethene	A	0.510	B	0.480	C	0.490	D	0.480	G	0.520	E	0.470	F	0.430		
trans-1,3-Dichloropropene	A	0.390	B	0.390	C	0.450	D	0.410	G	0.400	E	0.390	F	0.370		
Trichloroethene (TCE)	A	0.470	B	0.480	C	0.430	D	0.490	G	0.510	E	0.470	F	0.470		
Trichlorofluoromethane	A	0.530	B	0.540	C	0.480	D	0.550	G	0.550	E	0.480	F	0.460		
Vinyl Chloride	A	0.550	B	0.550	C	0.520	D	0.540	G	0.560	E	0.460	F	0.470		

[illegible]

QA/QC Approval: _____

Page 2 of 4

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VOLATILE ORGANICS

SAMPLE DATA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		38	E
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		56	E
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		0.2	J
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		0.6	J
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1160.D

Vial: 23

Acq On : 14 Aug 2008 10:47 pm

Operator: LIPANI

Sample : 1124913 1.0

Inst : MS#6

Misc : IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:15 2008

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	603136	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	476009	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	226552	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	211788	4.85	ug/L	0.00
Spiked Amount	5.000		Recovery	=	97.00%	

Target Compounds

					Qvalue	
8) Acetone	1.95	43	2014	0.45	ug/L	73 LT-noisy
17) Chloroform	3.76	83	385725	5.07	ug/L	95
22) Carbontetrachloride	5.29	117	2204360	37.98	ug/L	98 E
24) Trichloroethene	(6.10)	95	2165262	55.96	ug/L	99 E
26) Bromedichloromethane	(6.09)	83	26222	0.69	ug/L	# 94 J not real
34) Dibromochloromethane	7.80	129	3558	0.17	ug/L	96 J
43) Bromoform	9.14	173	6418	0.56	ug/L	# 84 J

②L
8/28/08

rpt 1/2.5

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

W1160.D OLC0814.M

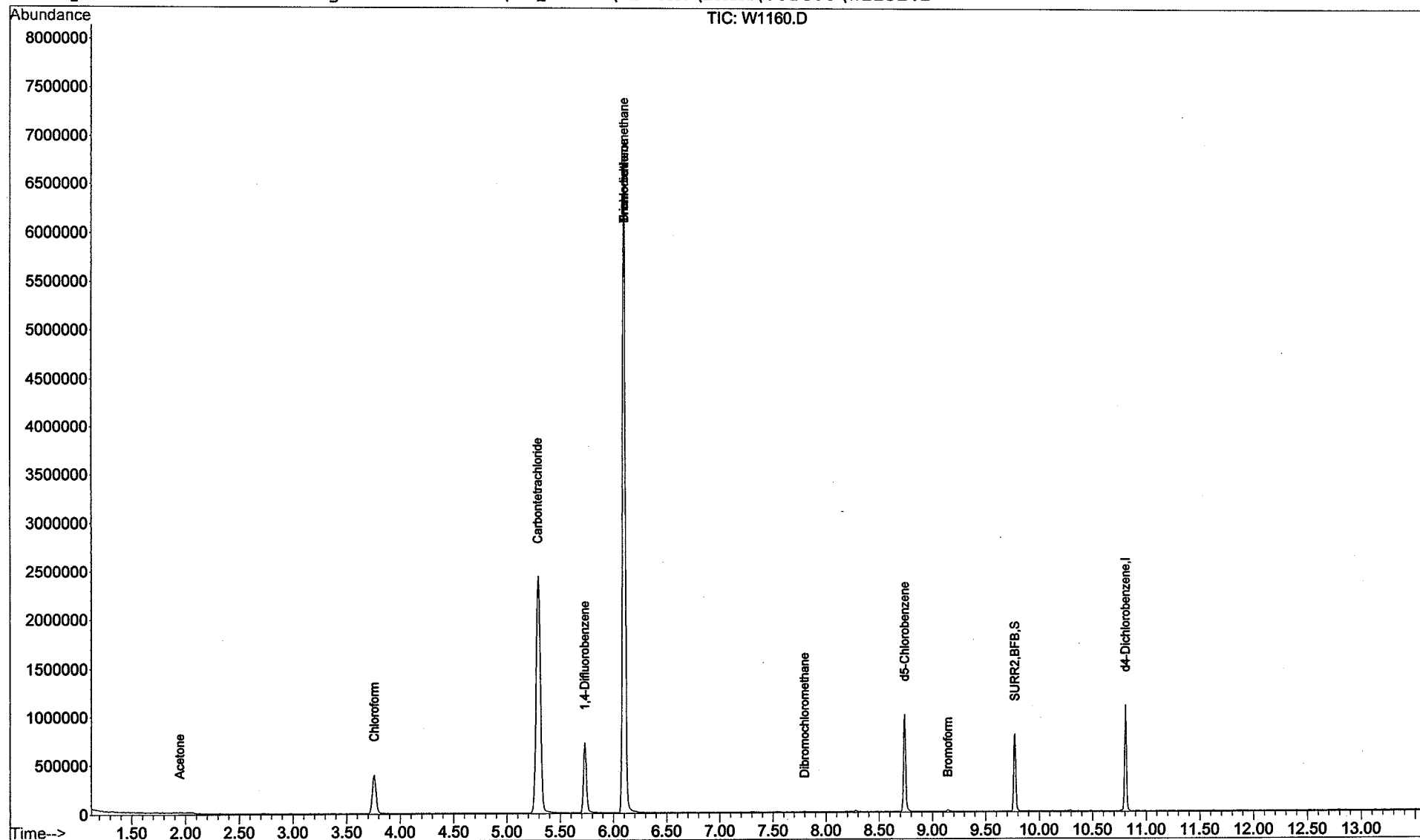
Mon Aug 18 09:14:38 2008

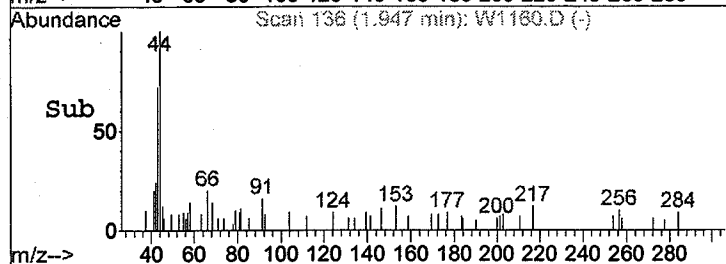
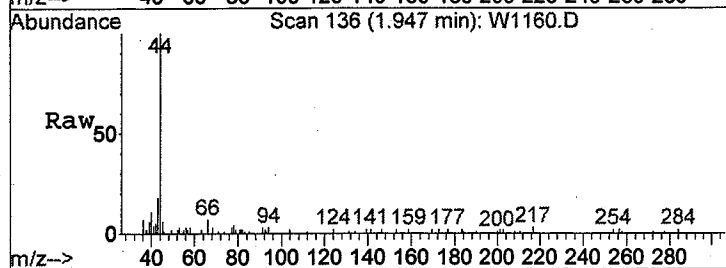
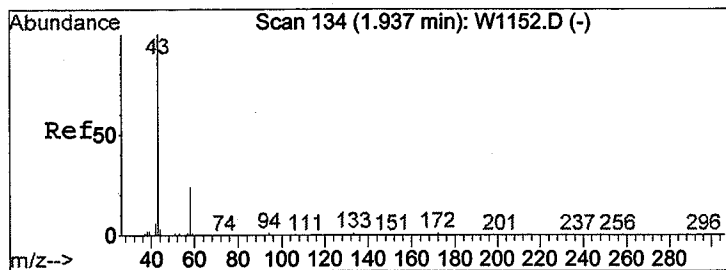
Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1160.D
Acq On : 14 Aug 2008 10:47 pm
Sample : 1124913 1.0
Misc : IT-Latham R8-43894 OLC2.1LL
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:15 2008

Vial: 23
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D





#8

Acetone

Concen: 0.45 ug/L

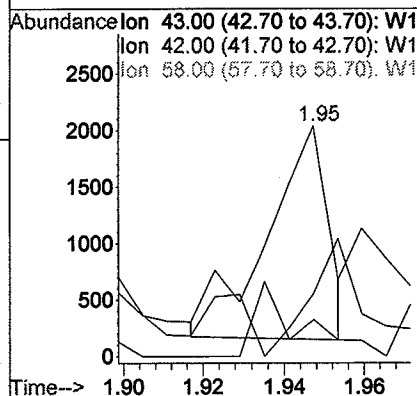
RT: 1.95 min Scan# 136

Delta R.T. 0.01 min

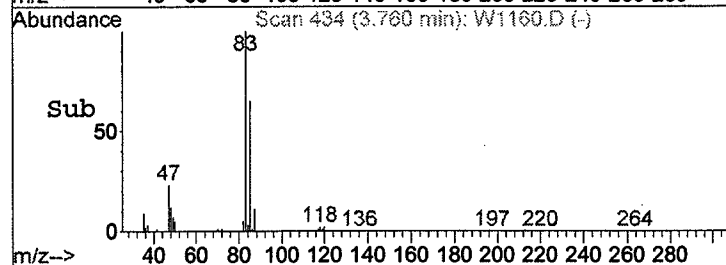
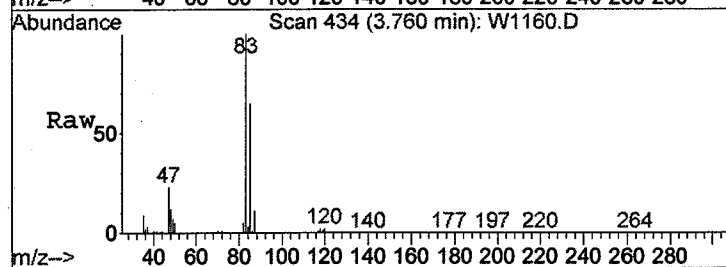
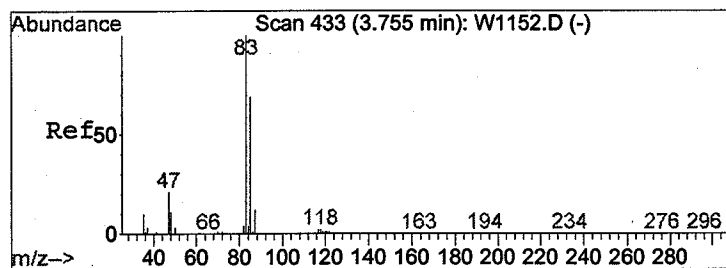
Lab File: W1160.D

Acq: 14 Aug 2008 10:47 pm

Tgt Ion:	43	Resp:	2014
Ion	Ratio	Lower	Upper
43	100		
42	27.4	0.0	36.8
58	15.9	0.0	54.7



not
a
hit



#17

Chloroform

Concen: 5.07 ug/L

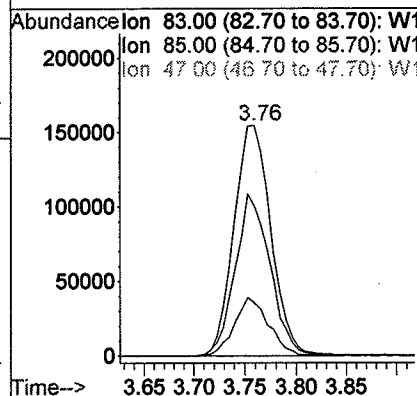
RT: 3.76 min Scan# 434

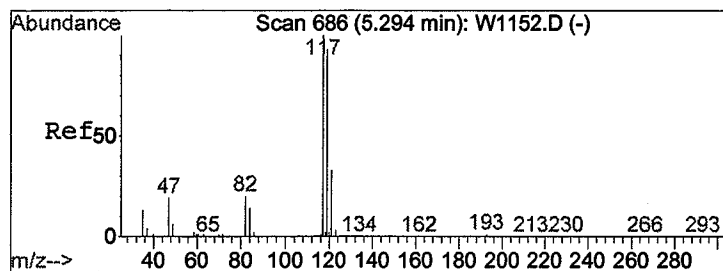
Delta R.T. 0.00 min

Lab File: W1160.D

Acq: 14 Aug 2008 10:47 pm

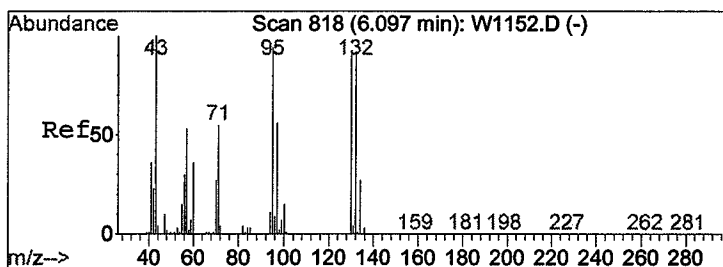
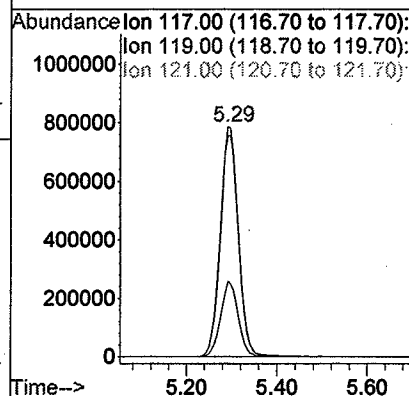
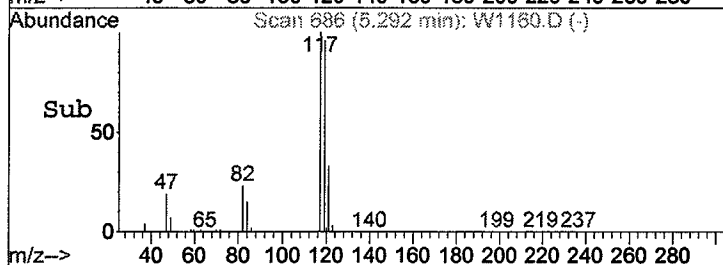
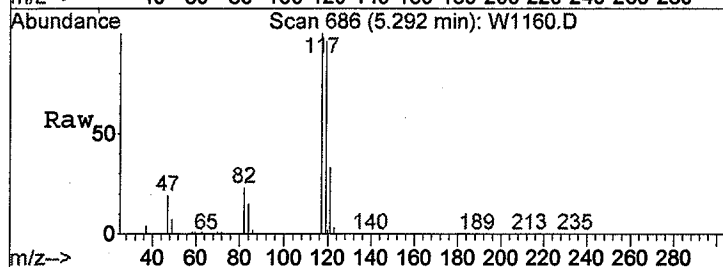
Tgt Ion:	83	Resp:	385725
Ion	Ratio	Lower	Upper
83	100		
85	64.9	55.5	83.3
47	22.7	19.6	29.4





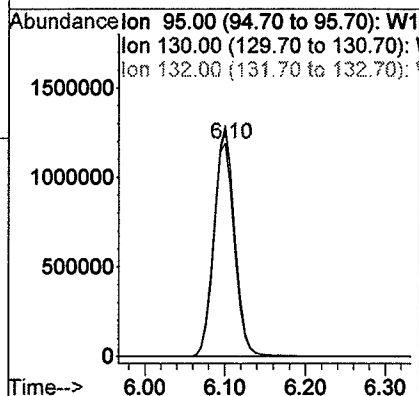
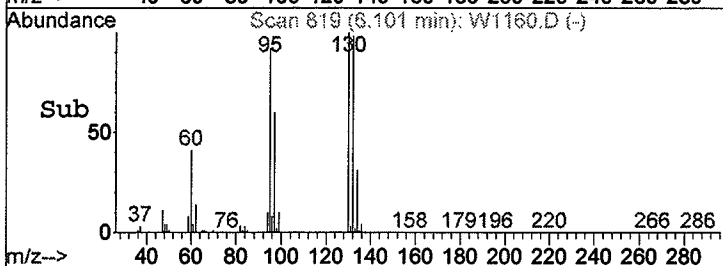
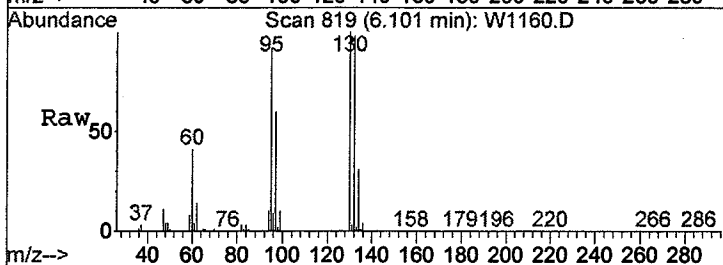
#22
 Carbontetrachloride
 Concen: 37.98 ug/L
 RT: 5.29 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: W1160.D
 Acq: 14 Aug 2008 10:47 pm

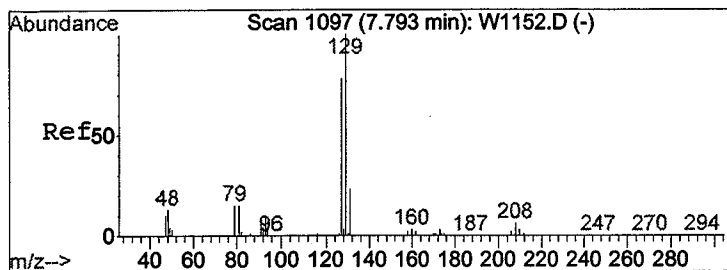
Tgt Ion: 117 Resp: 2204360
 Ion Ratio Lower Upper
 117 100
 119 95.7 74.6 111.8
 121 32.8 26.1 39.1



#24
 Trichloroethene
 Concen: 55.96 ug/L
 RT: 6.10 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: W1160.D
 Acq: 14 Aug 2008 10:47 pm

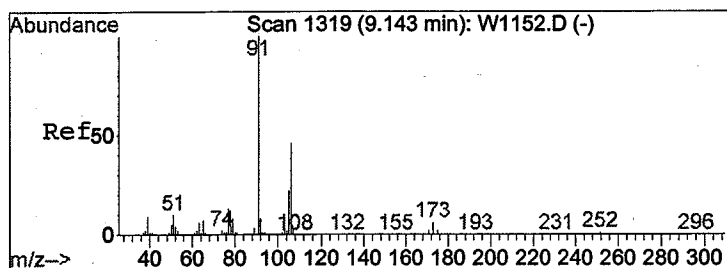
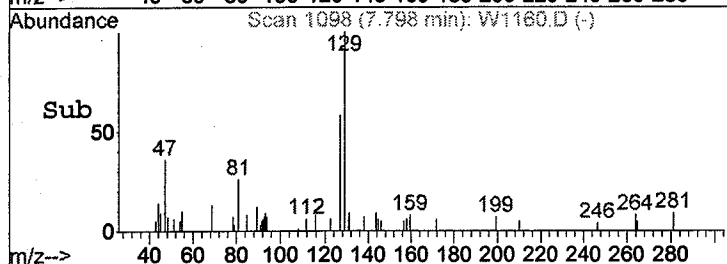
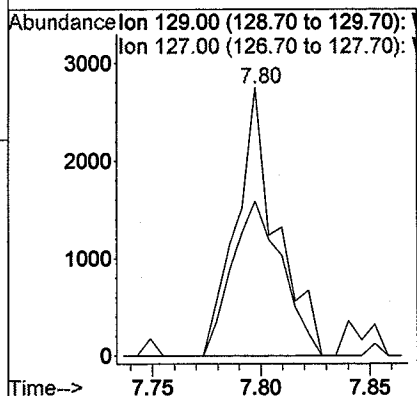
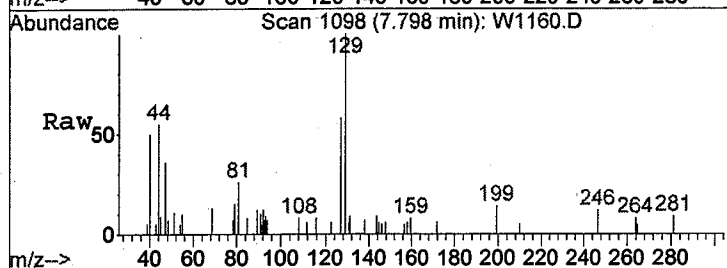
Tgt Ion: 95 Resp: 2165262
 Ion Ratio Lower Upper
 95 100
 130 106.6 85.0 127.4
 132 103.6 81.8 122.8





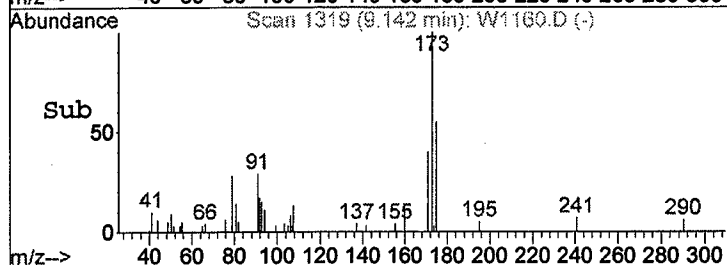
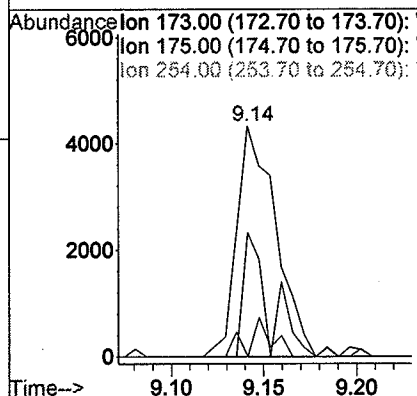
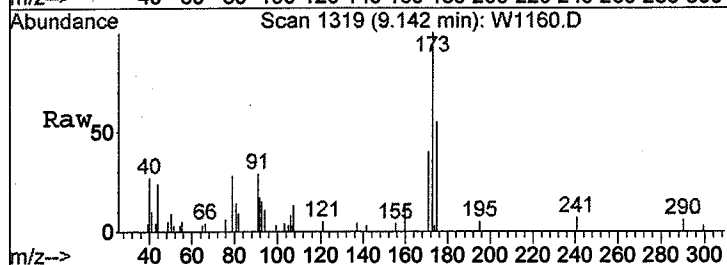
#34
 Dibromochloromethane
 Concen: 0.17 ug/L
 RT: 7.80 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: W1160.D
 Acq: 14 Aug 2008 10:47 pm

Tgt Ion:129 Resp: 3558
 Ion Ratio Lower Upper
 129 100
 127 72.2 60.4 90.6



#43
 Bromoform
 Concen: 0.56 ug/L
 RT: 9.14 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: W1160.D
 Acq: 14 Aug 2008 10:47 pm

Tgt Ion:173 Resp: 6418
 Ion Ratio Lower Upper
 173 100
 175 36.0 39.0 58.6#
 254 10.0 7.8 11.8



LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1160.D Vial: 23
Acq On : 14 Aug 2008 10:47 pm Operator: LIPANI
Sample : 1124913 1.0 Inst : MS#6
Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

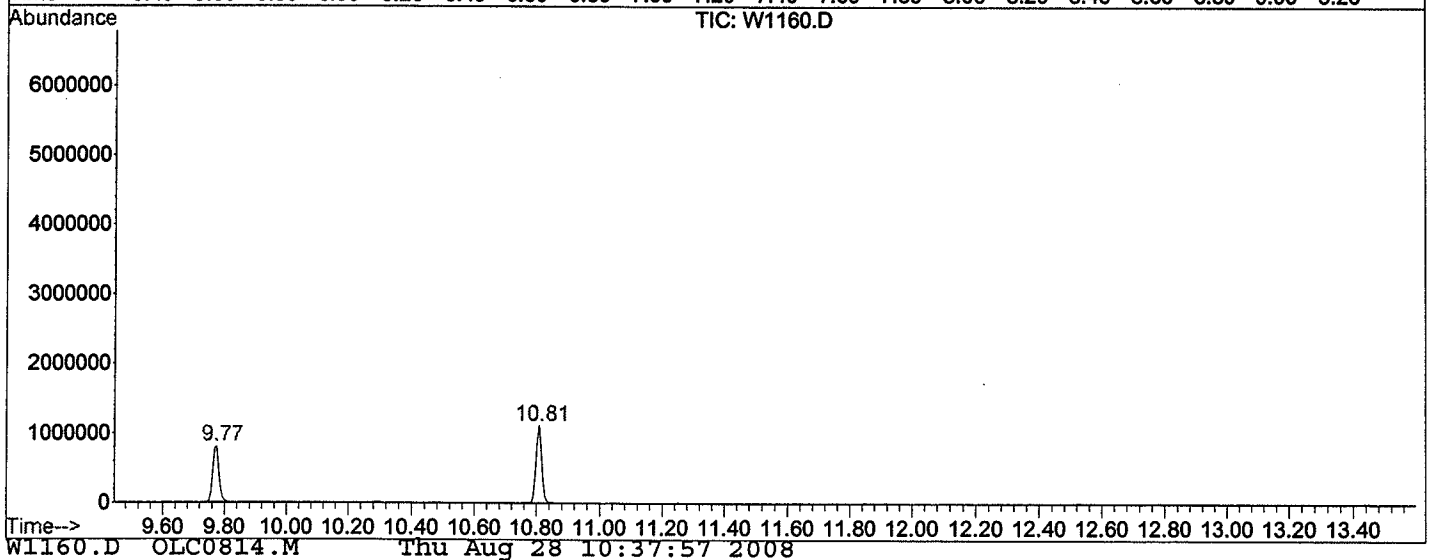
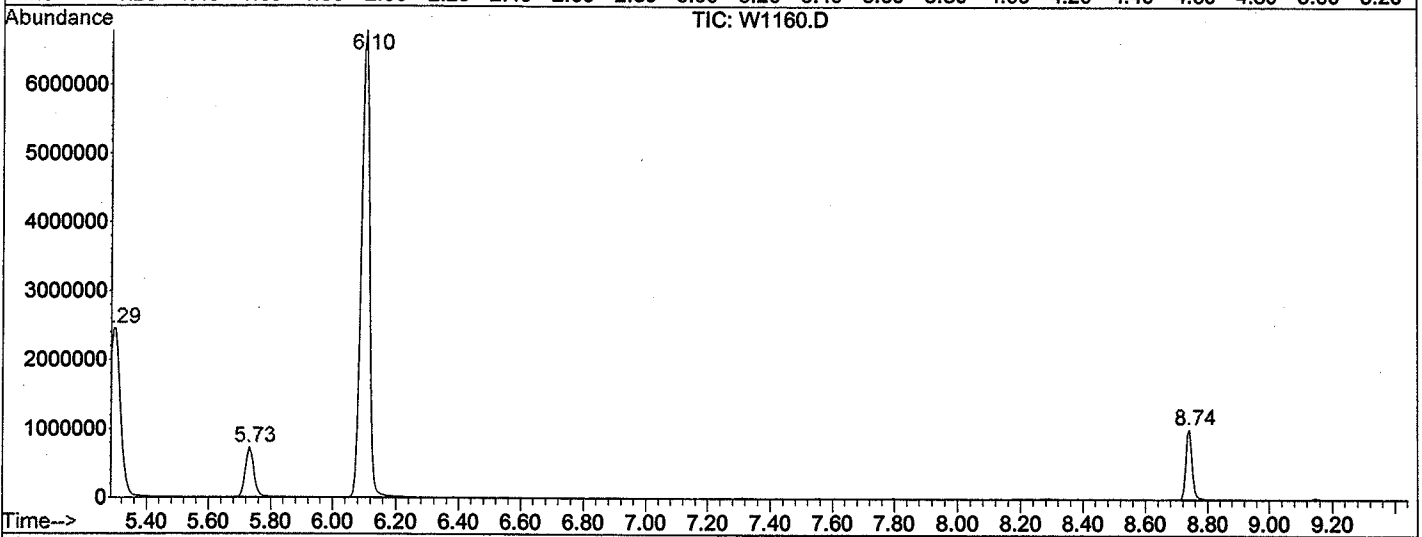
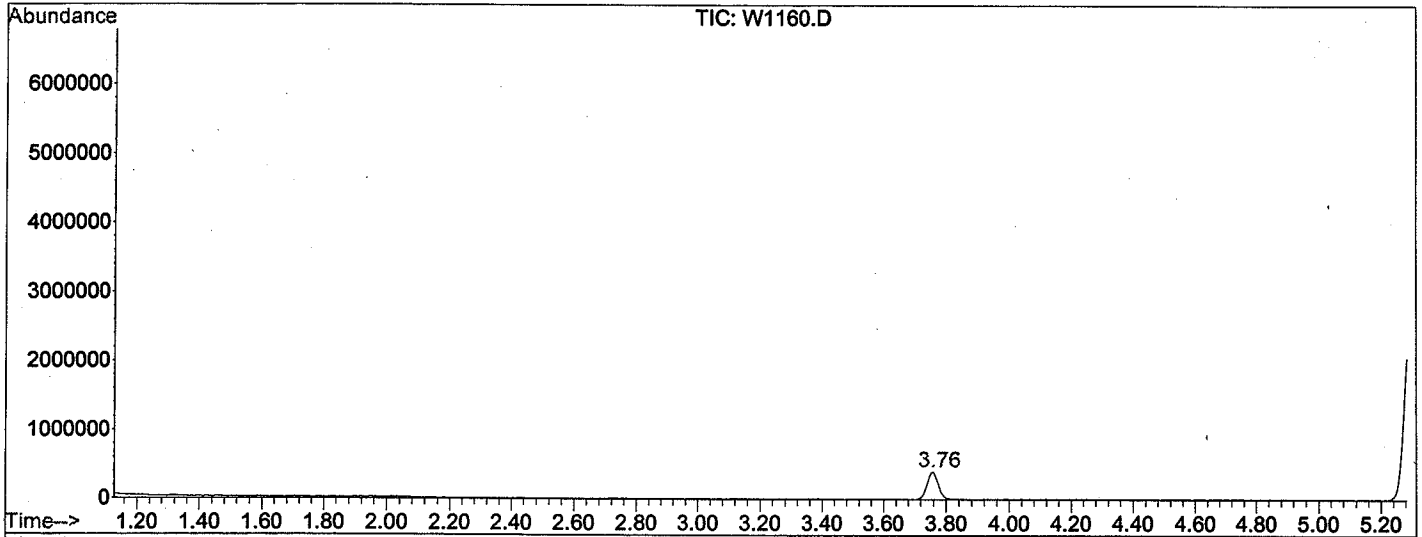
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.760	424	434	445	rBV	398222	976996	7.90%	3.837%
2	5.292	674	686	711	rBV	2447427	6900313	55.79%	27.098%
3	5.730	751	758	771	rBV	720426	1357801	10.98%	5.332%
4	6.101	810	819	836	rBV	6782609	12368820	100.00%	48.574%
5	8.740	1247	1253	1264	rVB	1014590	1421468	11.49%	5.582%
6	9.774	1417	1423	1430	rBV	804518	1085386	8.78%	4.262%
7	10.808	1588	1593	1604	rVB	1108563	1353128	10.94%	5.314%

Sum of corrected areas: 25463912

W1160.D OLC0814.M Thu Aug 28 10:37:54 2008

LSC Report - Integrated Chromatogram

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1160.D
 Operator : LIPANI
 Acquired : 14 Aug 2008 10:47 pm using AcqMethod OLC0814
 Instrument : MS#6
 Sample Name: 1124913 1.0
 Misc Info : IT-Latham R8-43894 OLC2.1LL
 Vial Number: 23
 Quant File : OLC0814.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: LIPANI Date Acquired: 14 Aug 2008 10:47 pm
Data File: J:\ACQUDATA\MSVOA6\DATA\081408\W1160.D
Name: 1124913 1.0
Misc: IT-Latham R8-43894 OLC2.1LL
Method: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: J:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
W1160.D OLC0814.M	Thu Aug 28 10:37:57 2008							

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH

Contract: IT Latham

Lab Code: 10145

Case No.: R8-45271

SAS No.: _____

SDG No.: Influent

Matrix: (soil/water) WATER

Lab Sample ID: 1124913 2.5

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W1164.D

Level: (low/med) LOW

Date Received: 8/8/08

% Moisture: not dec.

Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 2.5

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	7	JBD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	5	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	33	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	50	D
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	0.3	JD
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124913 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1164.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124913 2.5
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1164.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1164.D Vial: 27
 Acq On : 15 Aug 2008 1:09 am Operator: LIPANI
 Sample : 1124913 2.5 Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL (DL) Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 18 9:15 2008 Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
 DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	605959	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	499894	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	241772	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	212192	4.84	ug/L	0.00
Spiked Amount	5.000		Recovery	=	96.80%	

Target Compounds					Qvalue	
8) Acetone	1.94	43	11997	2.68	ug/L	85 JBD
15) 2-Butanone	3.46	43	620	0.11	ug/L #	54
17) Chloroform	3.76	83	146882	1.92	ug/L	94 D
22) Carbontetrachloride	5.29	117	816347	13.39	ug/L	99 D
24) Trichloroethene	6.10	95	816724	20.10	ug/L	100 D
43) Bromoform	9.15	173	1403	0.12	ug/L #	90 JD

(DL)
8/28/08

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1164.D

Vial: 27

Acq On : 15 Aug 2008 1:09 am

Operator: LIPANI

Sample : 1124913 2.5

Inst : MS#6

Misc : IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:15 2008

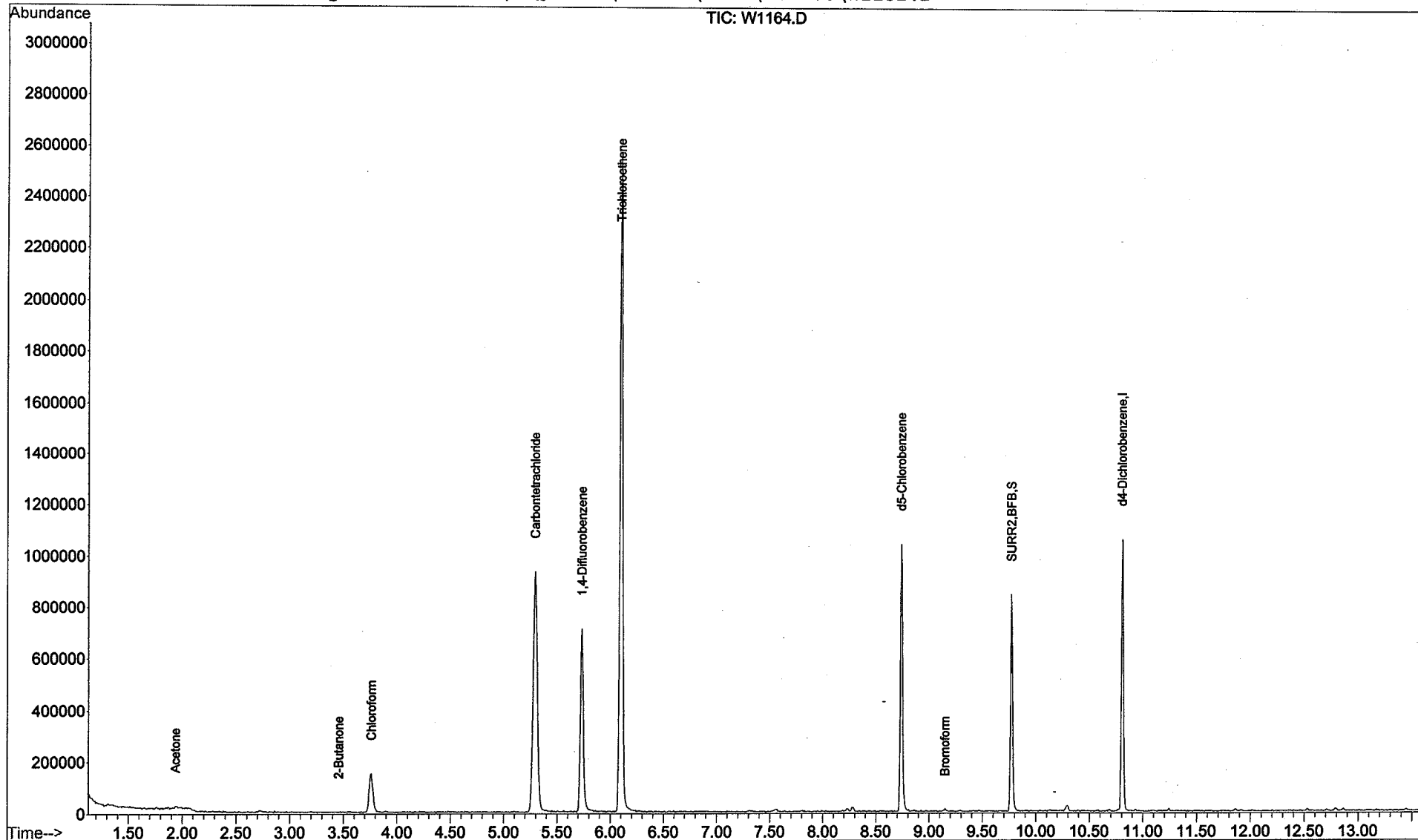
Quant Results File: OLC0814.RES

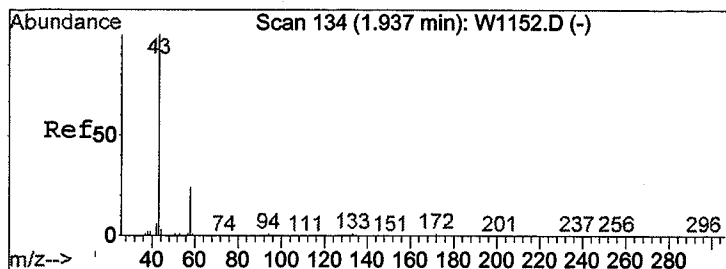
Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

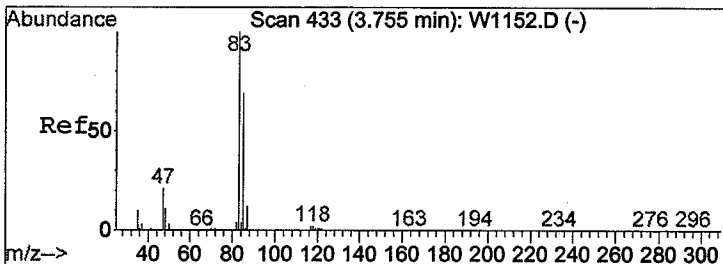
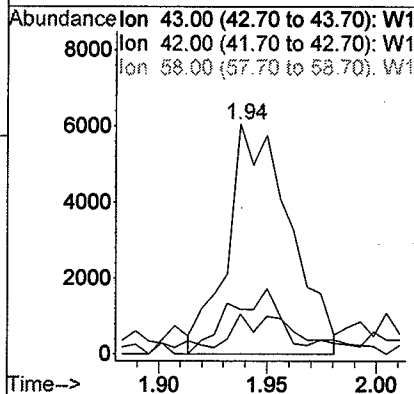
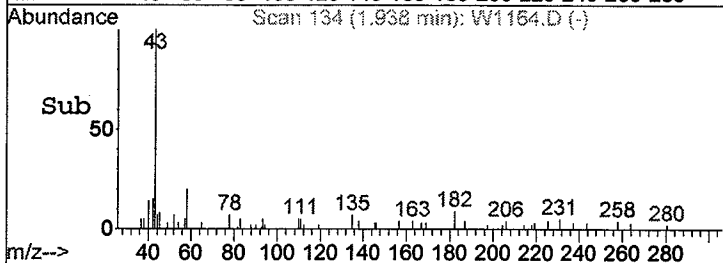
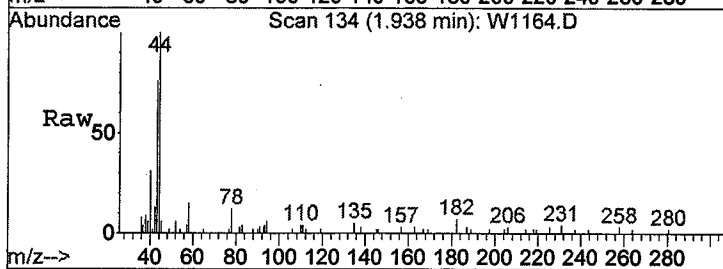
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D





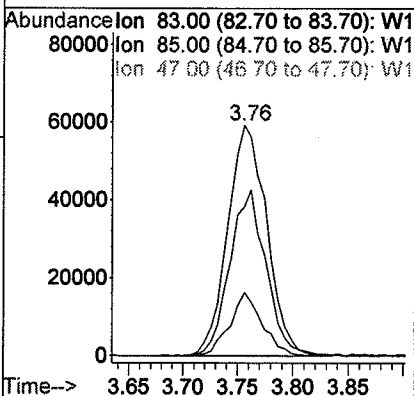
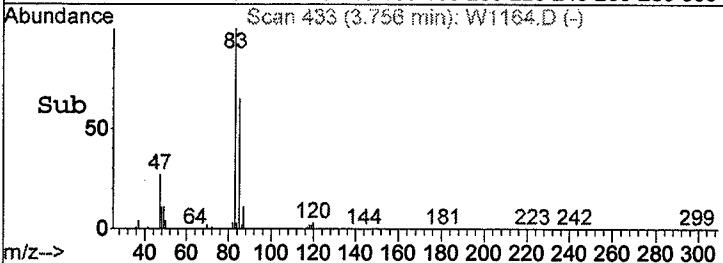
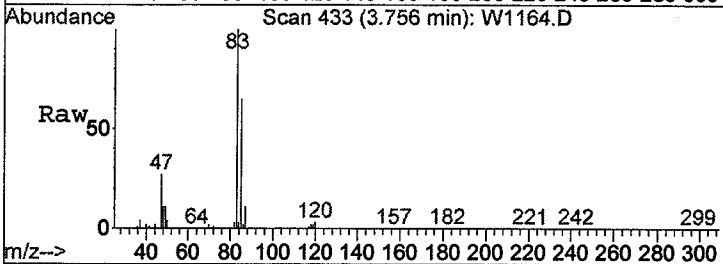
#8
Acetone
Concen: 2.68 ug/L
RT: 1.94 min Scan# 134
Delta R.T. 0.00 min
Lab File: W1164.D
Acq: 15 Aug 2008 1:09 am

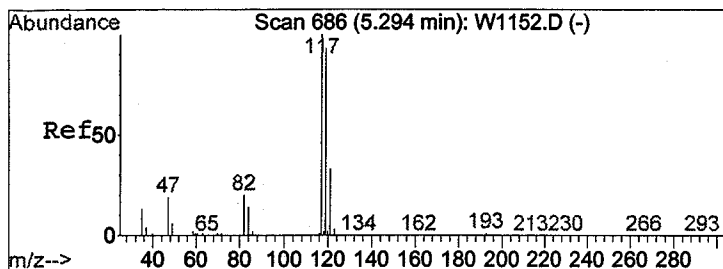
Tgt Ion	Ratio	Lower	Upper
43	100		
42	17.4	0.0	36.8
58	19.6	0.0	54.7



#17
Chloroform
Concen: 1.92 ug/L
RT: 3.76 min Scan# 433
Delta R.T. 0.00 min
Lab File: W1164.D
Acq: 15 Aug 2008 1:09 am

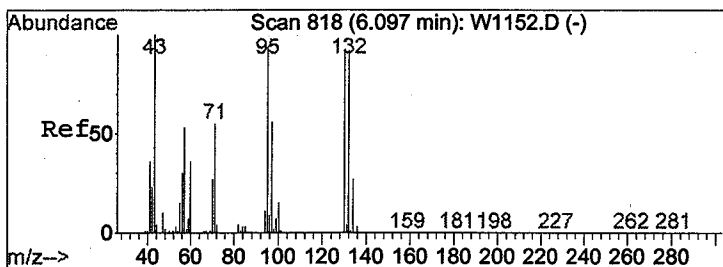
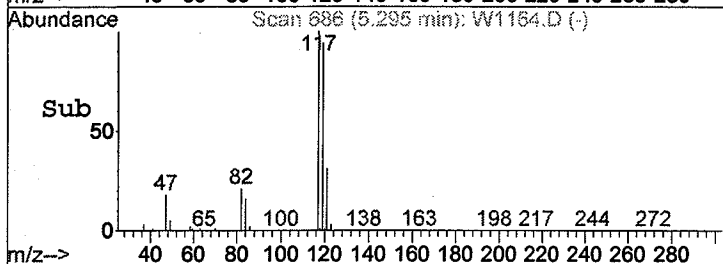
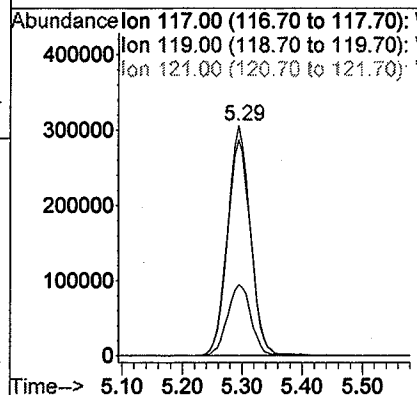
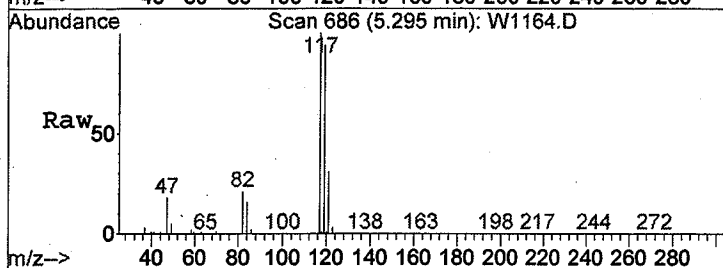
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	55.5	83.3
47	27.4	19.6	29.4





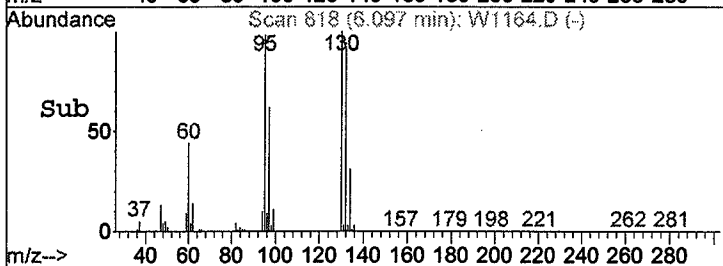
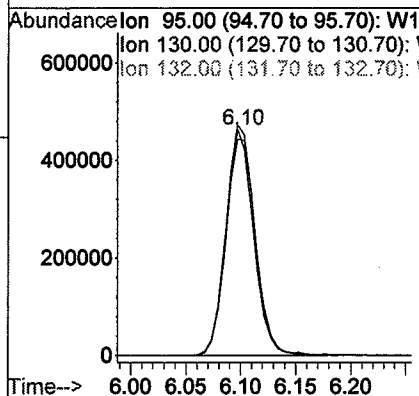
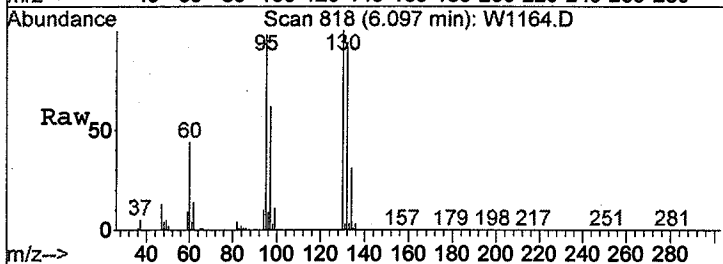
#22
 Carbontetrachloride
 Concen: 13.39 ug/L
 RT: 5.29 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: W1164.D
 Acq: 15 Aug 2008 1:09 am

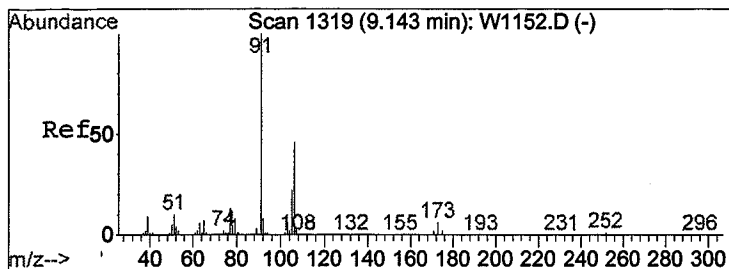
Tgt Ion: 117 Resp: 816347
 Ion Ratio Lower Upper
 117 100
 119 93.7 74.6 111.8
 121 30.9 26.1 39.1



#24
 Trichloroethene
 Concen: 20.10 ug/L
 RT: 6.10 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: W1164.D
 Acq: 15 Aug 2008 1:09 am

Tgt Ion: 95 Resp: 816724
 Ion Ratio Lower Upper
 95 100
 130 105.6 85.0 127.4
 132 102.6 81.8 122.8





#43

Bromoform

Concen: 0.12 ug/L

RT: 9.15 min Scan# 1320

Delta R.T. 0.01 min

Lab File: W1164.D

Acq: 15 Aug 2008 1:09 am

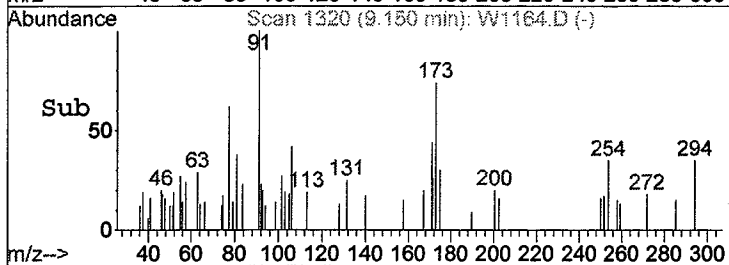
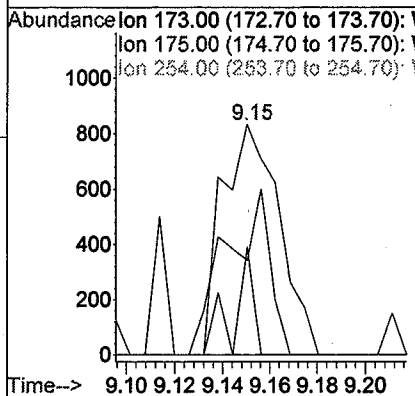
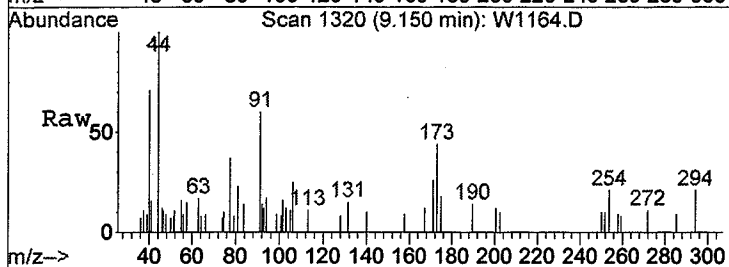
Tgt Ion:173 Resp: 1403

Ion Ratio Lower Upper

173 100

175 54.9 39.0 58.6

254 16.0 7.8 11.8#



LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1164.D Vial: 27
 Acq On : 15 Aug 2008 1:09 am Operator: LIPANI
 Sample : 1124913 2.5 Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: LSCINT.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 1 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

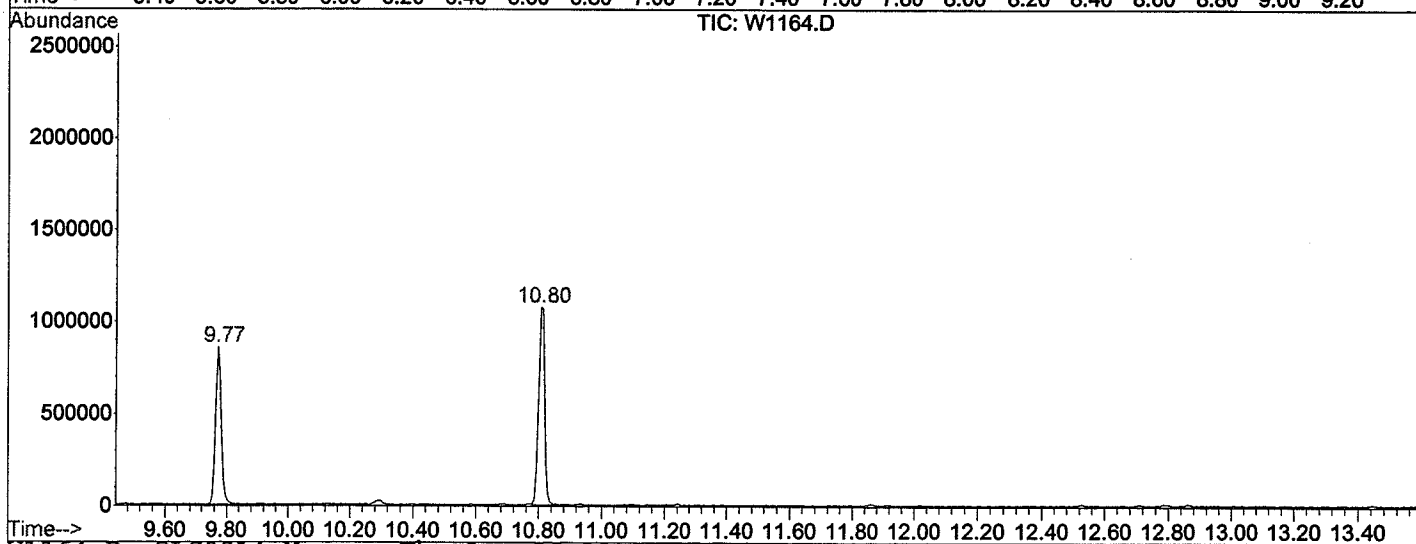
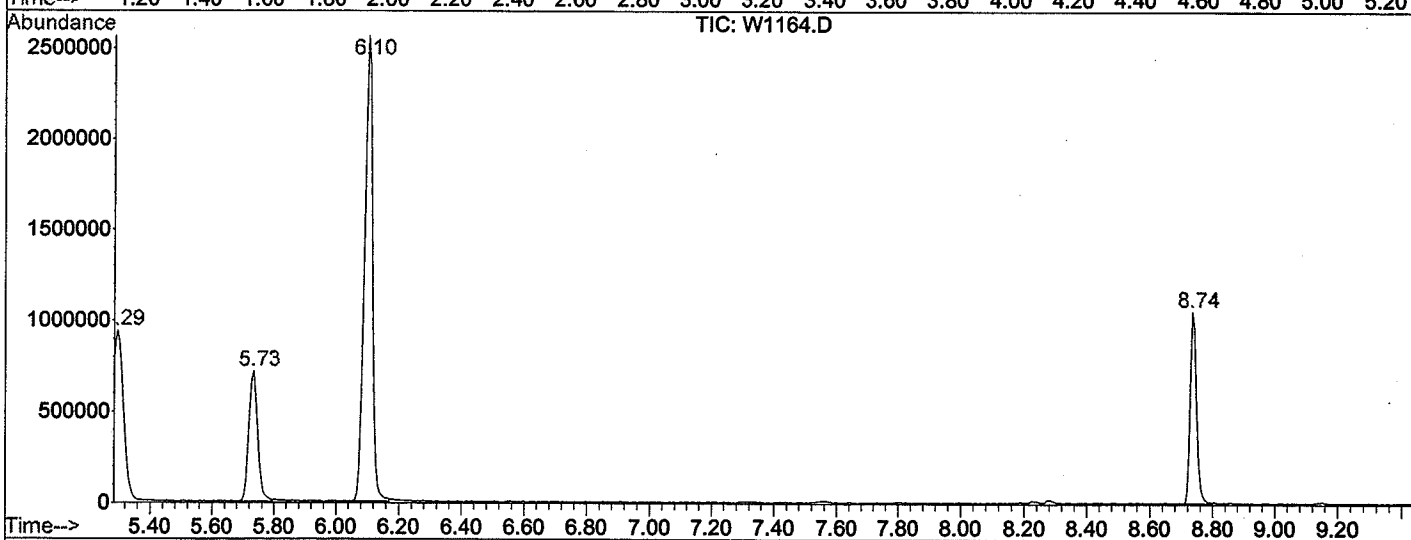
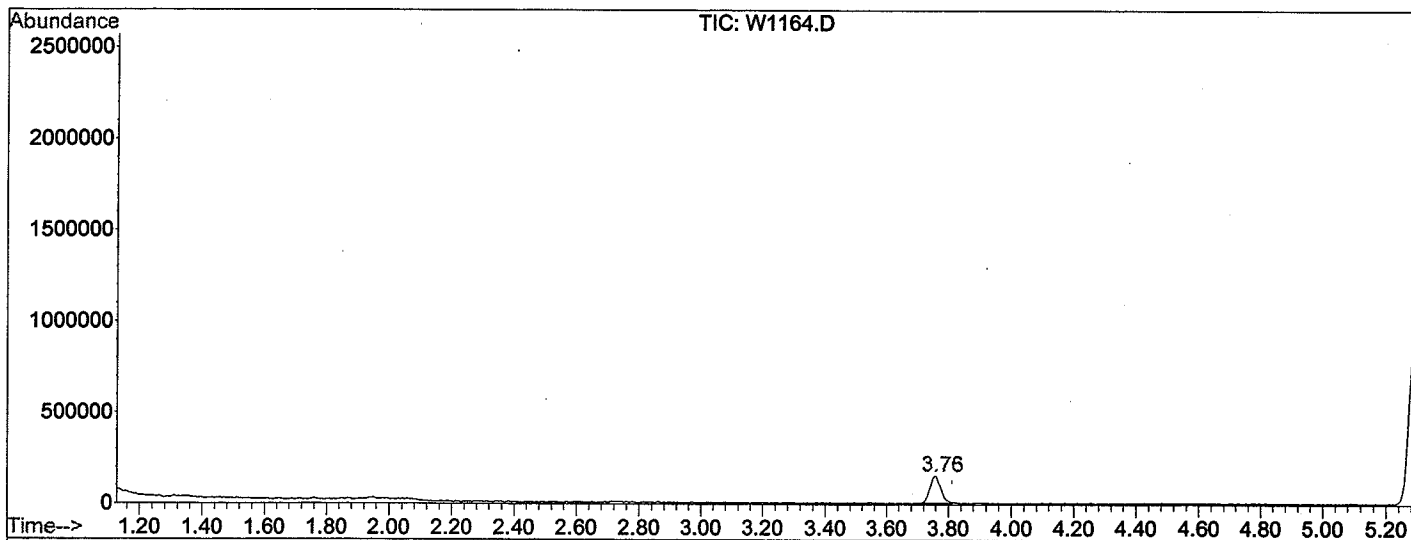
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.762	424	434	442	rBV2	149788	367287	7.96%	2.844%
2	5.295	675	686	697	rBV	938996	2547053	55.21%	19.723%
3	5.733	750	758	768	rBV	715185	1390642	30.14%	10.769%
4	6.097	810	818	830	rBV	2558422	4613512	100.00%	35.725%
5	8.737	1247	1252	1262	rBV	1048994	1453007	31.49%	11.251%
6	9.771	1416	1422	1432	rBV	854276	1121092	24.30%	8.681%
7	10.804	1588	1592	1602	rVB	1071477	1421370	30.81%	11.006%

Sum of corrected areas: 12913963

W1164.D OLC0814.M Thu Aug 28 11:13:12 2008

LSC Report - Integrated Chromatogram

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1164.D
 Operator : LIPANI
 Acquired : 15 Aug 2008 1:09 am using AcqMethod OLC0814
 Instrument : MS#6
 Sample Name: 1124913 2.5
 Misc Info : IT-Latham R8-43894 OLC2.1LL
 Vial Number: 27
 Quant File : OLC0814.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: LIPANI Date Acquired: 15 Aug 2008 1:09 am
Data File: J:\ACQUDATA\MSVOA6\DATA\081408\W1164.D
Name: 1124913 2.5
Misc: IT-Latham R8-43894 OLC2.1LL
Method: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: J:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
------------------	----	---------	-------	------	--------	------	--------	--------

W1164.D OLC0814.M	Thu Aug 28 11:13:16 2008							
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		1	JB
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		0.1	J
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		0.2	J
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		0.4	J
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/15/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1165.D

Vial: 28

Acq On : 15 Aug 2008 1:44 am

Operator: LIPANI

Sample : 1124915 1.0

Inst : MS#6

Misc : IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:16 2008

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	600333	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	489204	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	234242	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	210334	4.84	ug/L	0.00
Spiked Amount	5.000		Recovery	=	96.80%	

Target Compounds

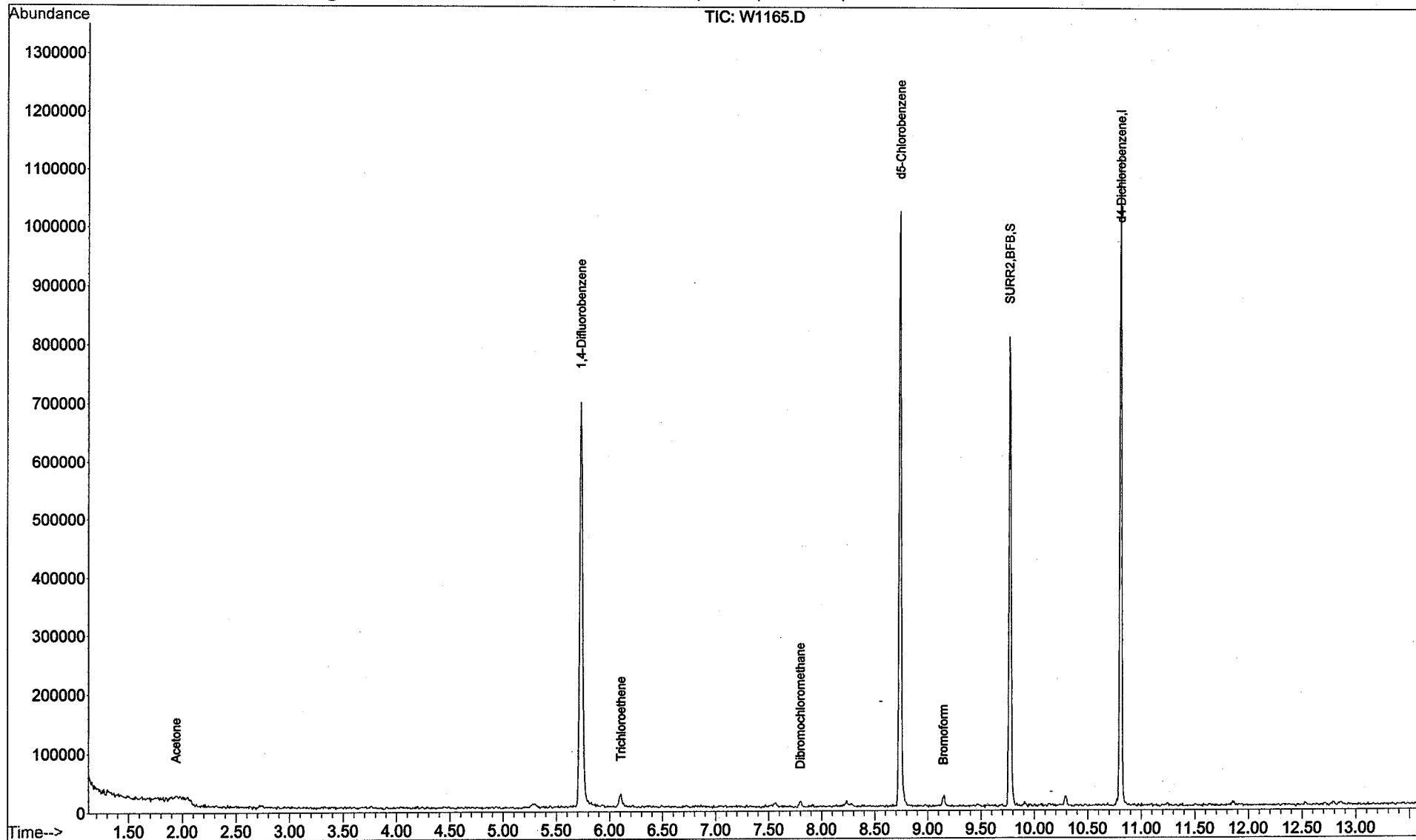
					Qvalue
8) Acetone	1.94	43	4645	1.05 ug/L	86 JB
24) Trichloroethene	6.11	95	5946	0.15 ug/L #	82 J
34) Dibromochloromethane	7.80	129	3769	0.17 ug/L	100 J
43) Bromoform	9.14	173	4997	0.43 ug/L	90 J

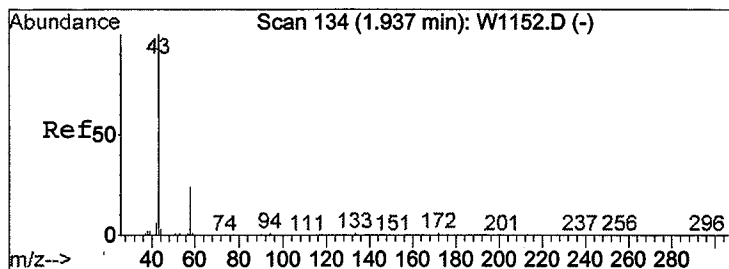
DL
8/28/08-----
(#) = qualifier out of range (m) = manual integration

W1165.D OLC0814.M Mon Aug 18 09:15:30 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1165.D Vial: 28
Acq On : 15 Aug 2008 1:44 am Operator: LIPANI
Sample : 1124915 1.0 Inst : MS#6
Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:16 2008 Quant Results File: OLC0814.RES

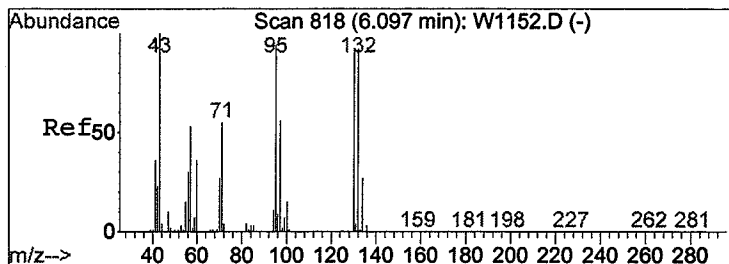
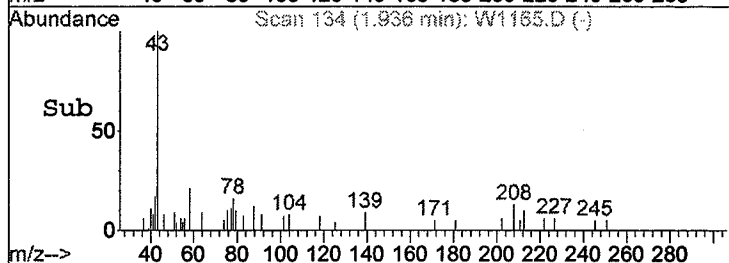
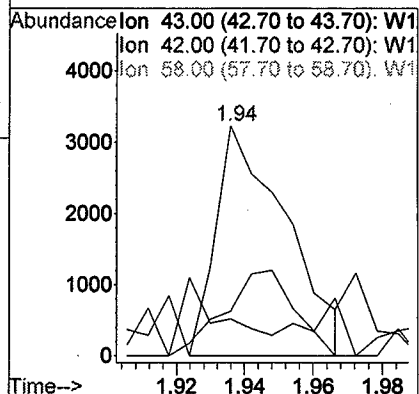
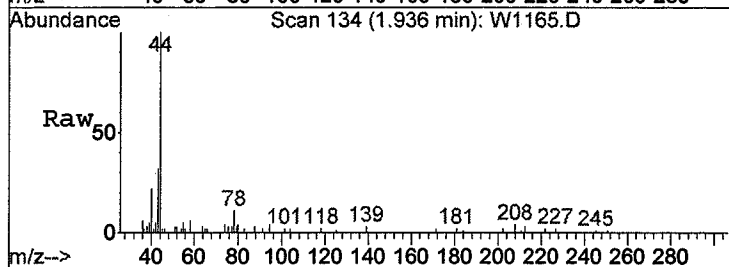
Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D





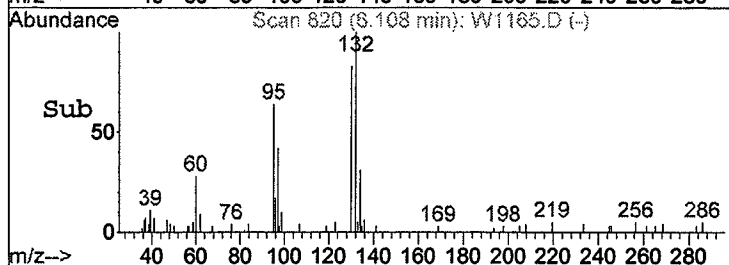
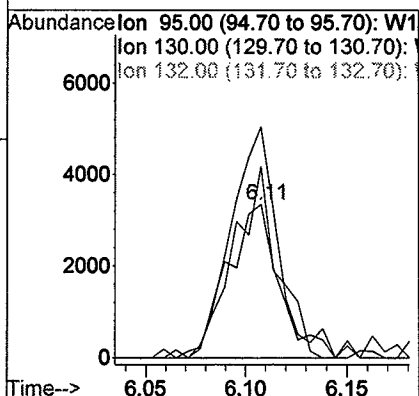
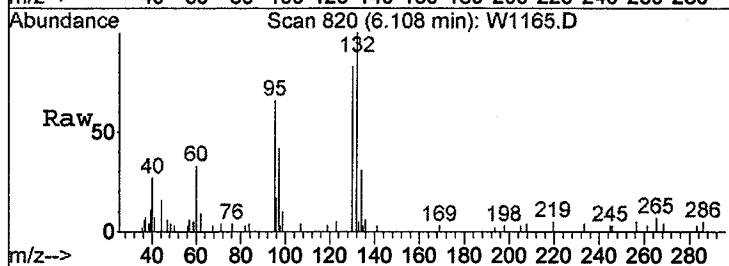
#8
Acetone
Concen: 1.05 ug/L
RT: 1.94 min Scan# 134
Delta R.T. -0.00 min
Lab File: W1165.D
Acq: 15 Aug 2008 1:44 am

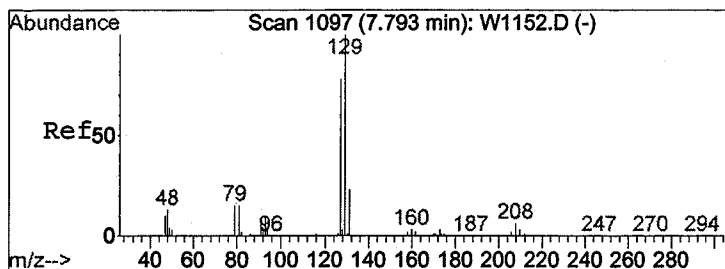
Tgt Ion	Ratio	Lower	Upper
43	100		
42	16.0	0.0	36.8
58	19.4	0.0	54.7



#24
Trichloroethene
Concen: 0.15 ug/L
RT: 6.11 min Scan# 820
Delta R.T. 0.01 min
Lab File: W1165.D
Acq: 15 Aug 2008 1:44 am

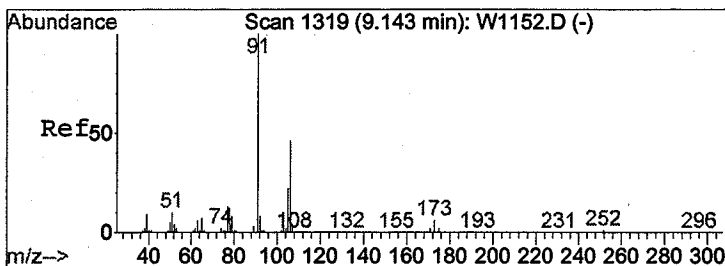
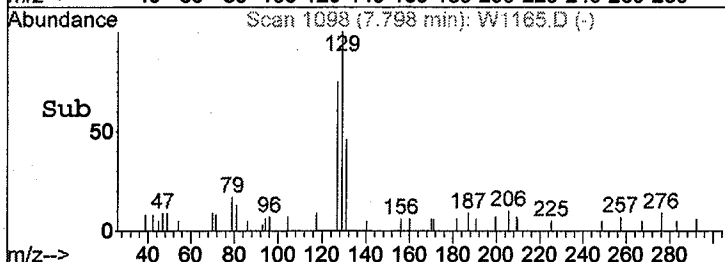
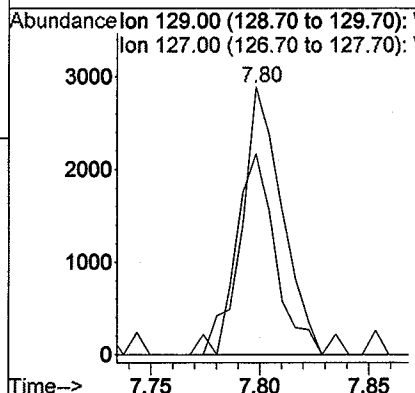
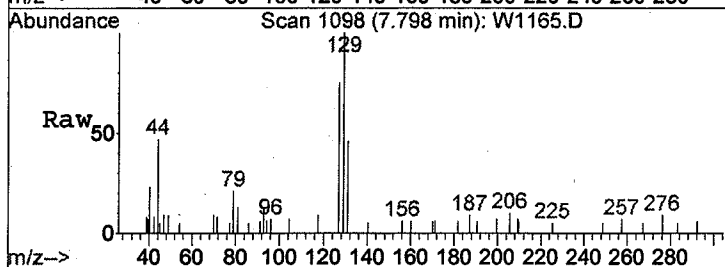
Tgt Ion	Ratio	Lower	Upper
95	100		
130	107.0	85.0	127.4
132	139.2	81.8	122.8#





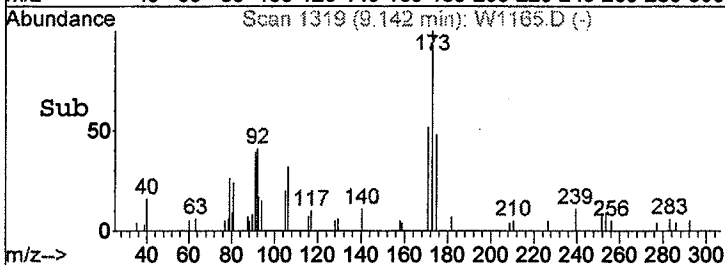
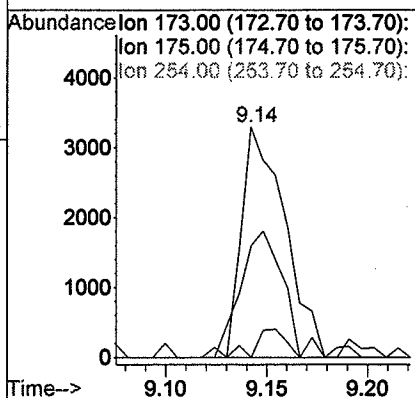
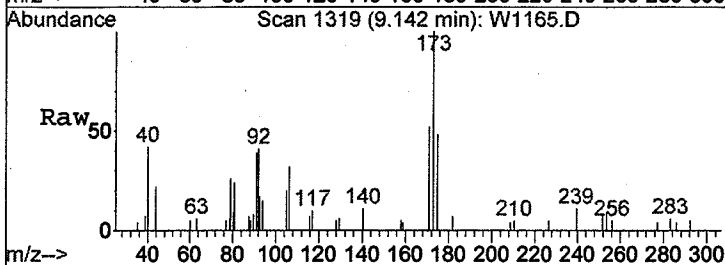
#34
 Dibromochloromethane
 Concen: 0.17 ug/L
 RT: 7.80 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: W1165.D
 Acq: 15 Aug 2008 1:44 am

Tgt Ion:129 Resp: 3769
 Ion Ratio Lower Upper
 129 100
 127 75.3 60.4 90.6



#43
 Bromoform
 Concen: 0.43 ug/L
 RT: 9.14 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: W1165.D
 Acq: 15 Aug 2008 1:44 am

Tgt Ion:173 Resp: 4997
 Ion Ratio Lower Upper
 173 100
 175 56.4 39.0 58.6
 254 8.6 7.8 11.8



LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1165.D Vial: 28
Acq On : 15 Aug 2008 1:44 am Operator: LIPANI
Sample : 1124915 1.0 Inst : MS#6
Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

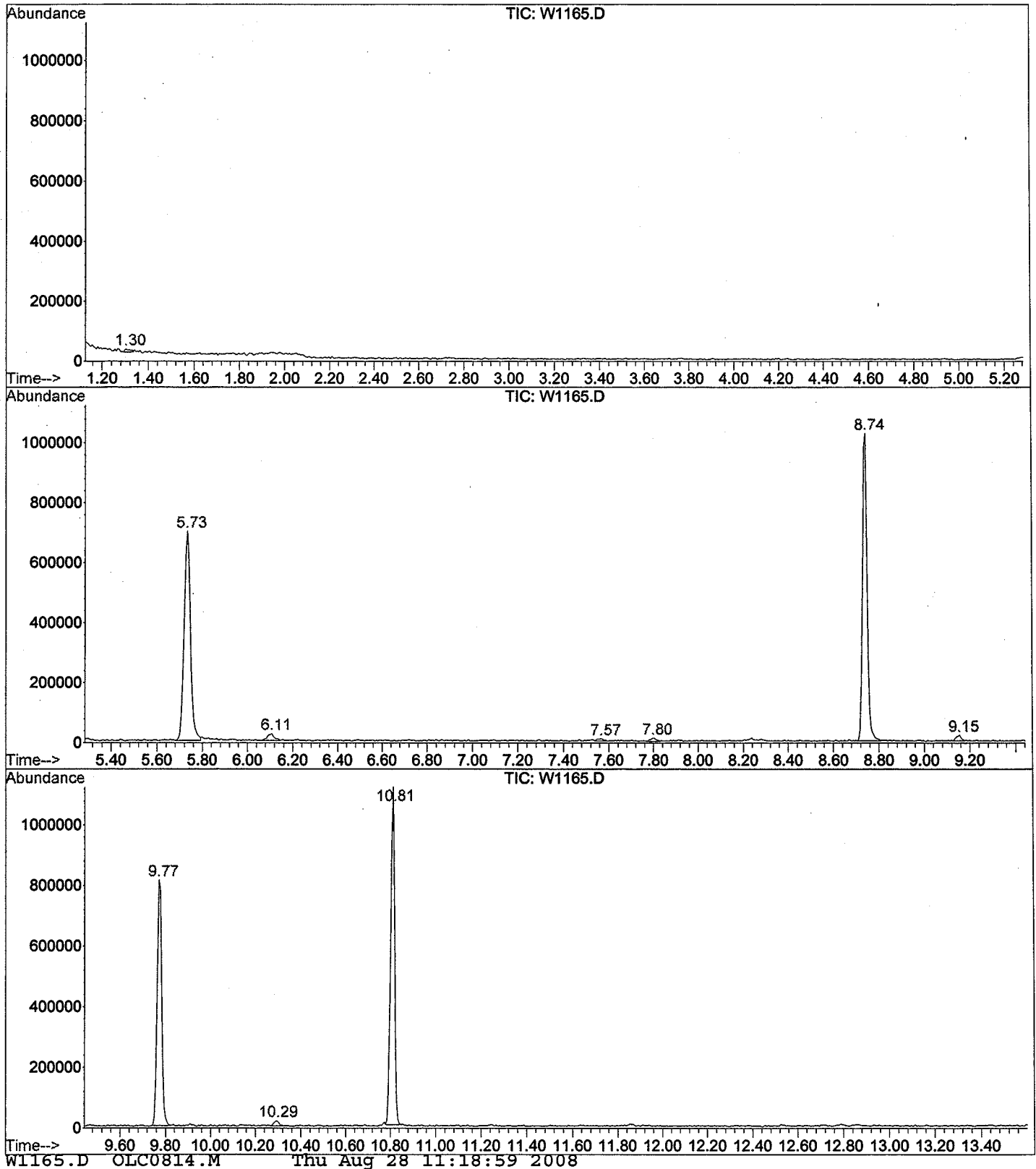
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.303	28	30	35	rBV4	10061	15252	1.06%	0.281%
2	5.731	750	758	768	rBV	696986	1355453	93.88%	24.994%
3	6.108	812	820	826	rBV4	23375	49239	3.41%	0.908%
4	7.567	1055	1060	1065	rVB5	7669	15598	1.08%	0.288%
5	7.798	1093	1098	1103	rBV3	10735	20375	1.41%	0.376%
6	8.741	1247	1253	1264	rBV	1024686	1443758	100.00%	26.623%
7	9.154	1316	1321	1325	rBV7	18691	27666	1.92%	0.510%
8	9.769	1417	1422	1431	rVB	810026	1104983	76.54%	20.376%
9	10.292	1504	1508	1513	rVB2	17142	25835	1.79%	0.476%
10	10.809	1588	1593	1600	rVB	1114345	1364899	94.54%	25.168%

Sum of corrected areas: 5423058

W1165.D OLC0814.M Thu Aug 28 11:18:55 2008

LSC Report - Integrated Chromatogram

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1165.D
 Operator : LIPANI
 Acquired : 15 Aug 2008 1:44 am using AcqMethod OLC0814
 Instrument : MS#6
 Sample Name: 1124915 1.0
 Misc Info : IT-Latham R8-43894 OLC2.1LL
 Vial Number: 28
 Quant File : OLC0814.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: LIPANI Date Acquired: 15 Aug 2008 1:44 am
Data File: J:\ACQUDATA\MSVOA6\DATA\081408\W1165.D
Name: 1124915 1.0
Misc: IT-Latham R8-43894 OLC2.1LL
Method: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: J:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
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W1165.D OLC0814.M	Thu Aug 28 11:18:59 2008							
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	JB
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		0.2	J
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		0.5	J
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1159.D

Vial: 22

Acq On : 14 Aug 2008 10:11 pm

Operator: LIPANI

Sample : 1124916 1.0

Inst : MS#6

Misc : IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:14 2008

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	605223	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	498177	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	228929	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	209370	4.78	ug/L	0.00
Spiked Amount	5.000		Recovery	=	95.60%	

Target Compounds

					Qvalue
8) Acetone	1.95	43	8315	1.86	ug/L 70
24) Trichloroethene	6.11	95	6658	0.16	ug/L # 80
34) Dibromochloromethane	7.80	129	10585	0.47	ug/L 85
43) Bromoform	9.15	173	13236	1.15	ug/L # 94

DL
8/28/08

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

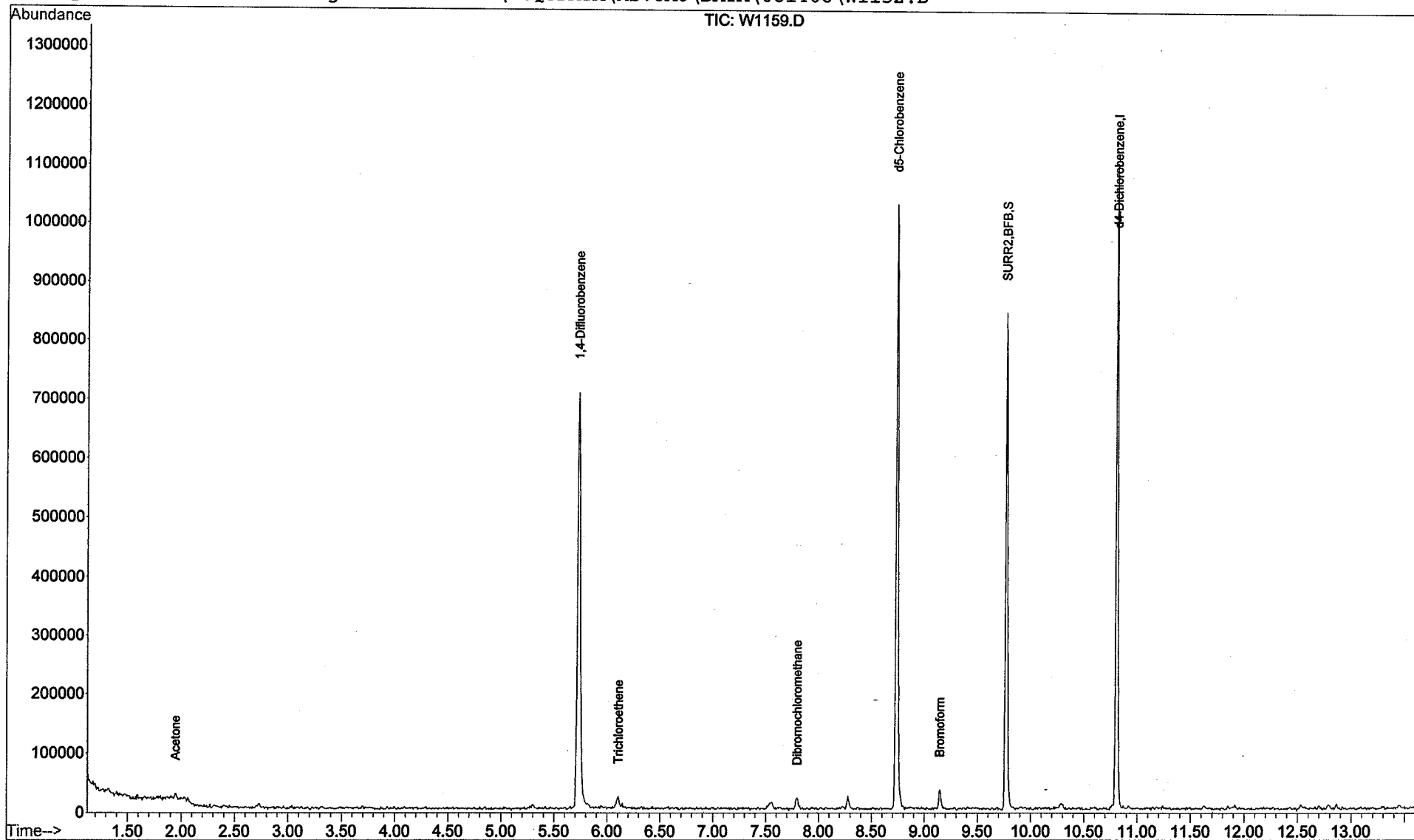
W1159.D OLC0814.M Mon Aug 18 09:14:28 2008

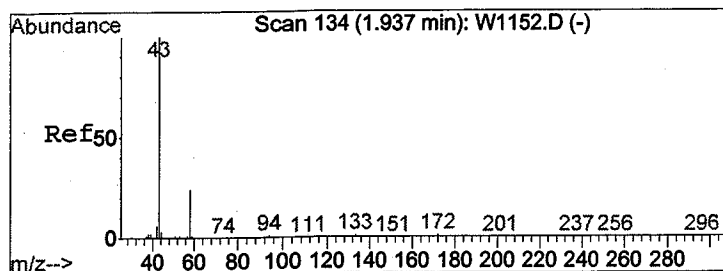
Page 1

00055

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1159.D Vial: 22
Acq On : 14 Aug 2008 10:11 pm Operator: LIPANI
Sample : 1124916 1.0 Inst : MS#6
Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:14 2008 Quant Results File: OLC0814.RES

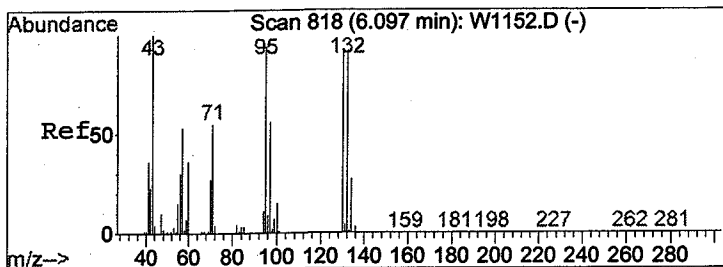
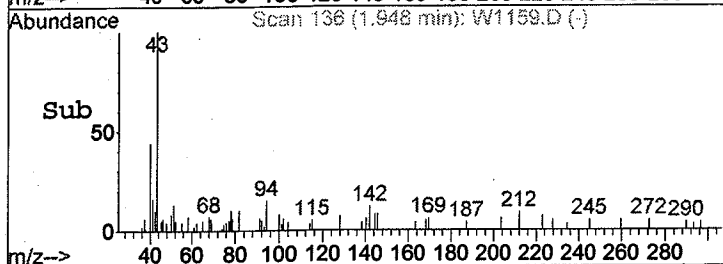
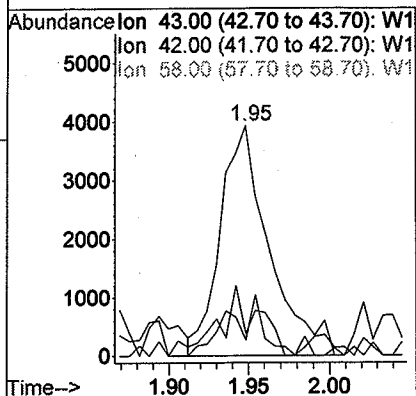
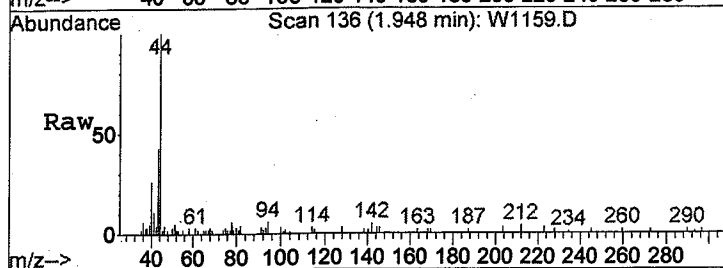
Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D





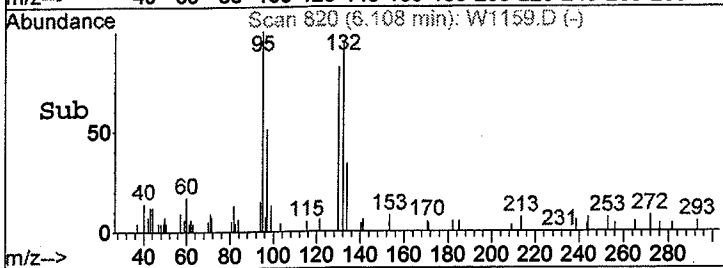
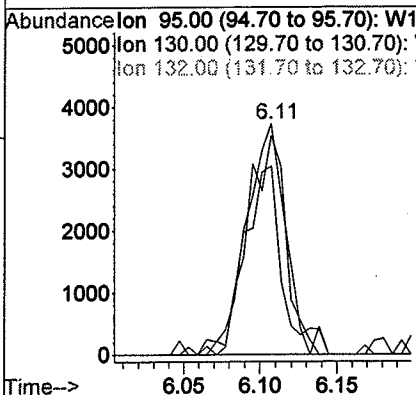
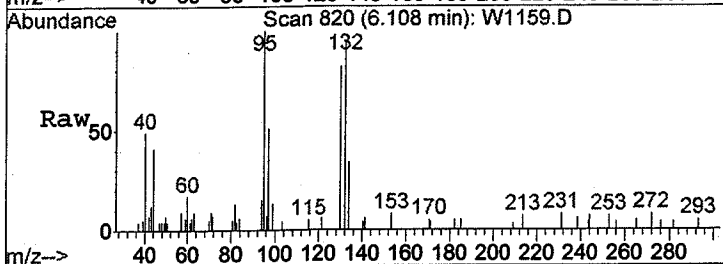
#8
Acetone
Concen: 1.86 ug/L
RT: 1.95 min Scan# 136
Delta R.T. 0.01 min
Lab File: W1159.D
Acq: 14 Aug 2008 10:11 pm

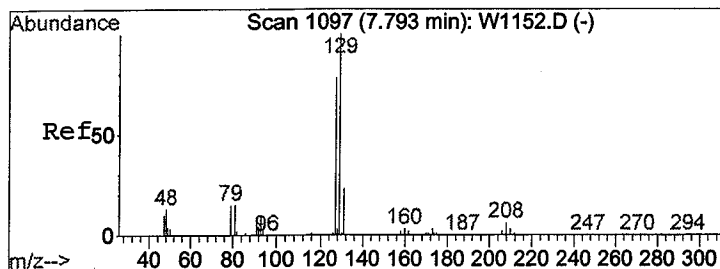
Tgt Ion:	43	Resp:	8315
Ion	Ratio	Lower	Upper
43	100		
42	9.6	0.0	36.8
58	6.8	0.0	54.7



#24
Trichloroethene
Concen: 0.16 ug/L
RT: 6.11 min Scan# 820
Delta R.T. 0.01 min
Lab File: W1159.D
Acq: 14 Aug 2008 10:11 pm

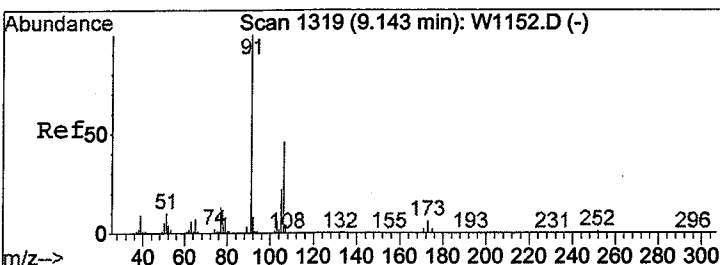
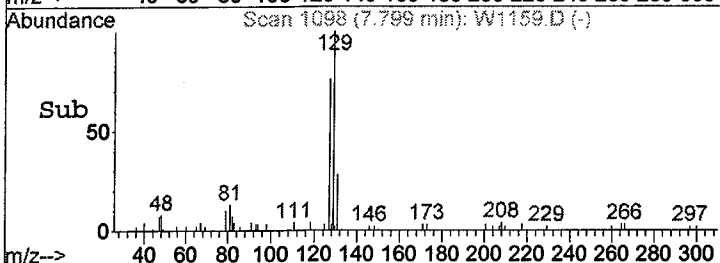
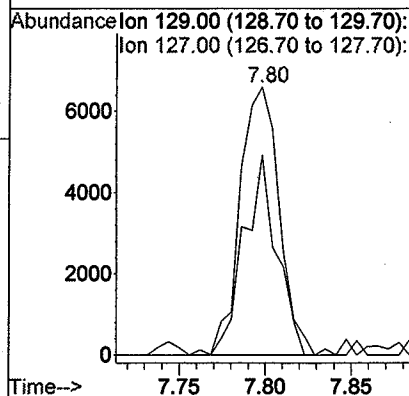
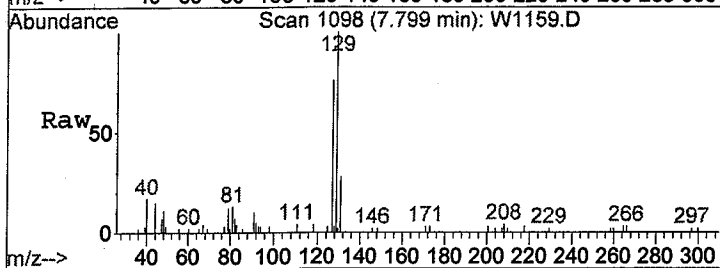
Tgt Ion:	95	Resp:	6658
Ion	Ratio	Lower	Upper
95	100		
130	75.3	85.0	127.4#
132	92.7	81.8	122.8





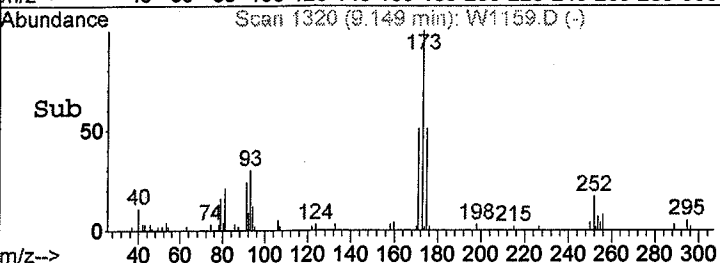
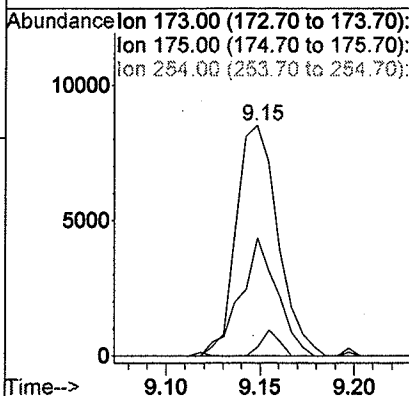
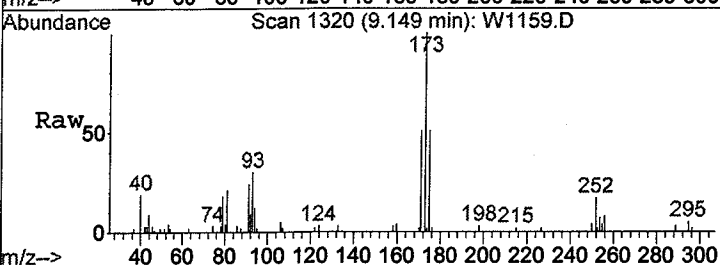
#34
 Dibromochloromethane
 Concen: 0.47 ug/L
 RT: 7.80 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: W1159.D
 Acq: 14 Aug 2008 10:11 pm

Tgt Ion:129 Resp: 10585
 Ion Ratio Lower Upper
 129 100
 127 62.4 60.4 90.6



#43
 Bromoform
 Concen: 1.15 ug/L
 RT: 9.15 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: W1159.D
 Acq: 14 Aug 2008 10:11 pm

Tgt Ion:173 Resp: 13236
 Ion Ratio Lower Upper
 173 100
 175 45.6 39.0 58.6
 254 5.0 7.8 11.8#



LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1159.D
Acq On : 14 Aug 2008 10:11 pm
Sample : 1124916 1.0
Misc : IT-Latham R8-43894 OLC2.1LL
MS Integration Params: LSCINT.P

Vial: 22
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0
Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 100
Peak Location: TOP

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

Signal : TIC

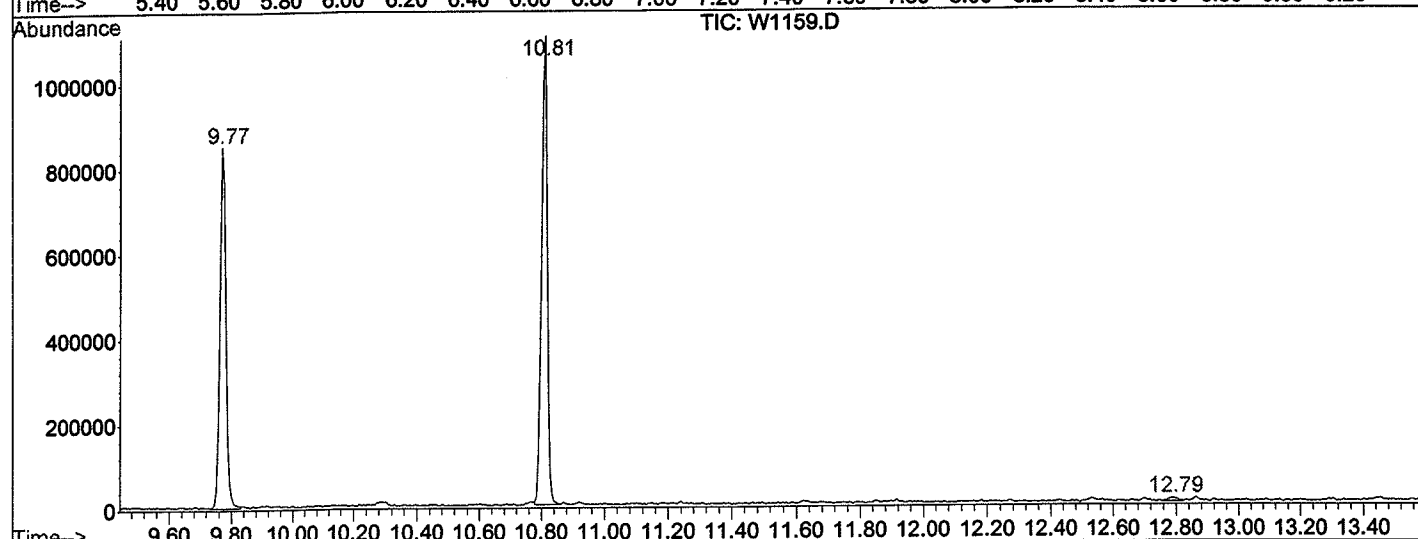
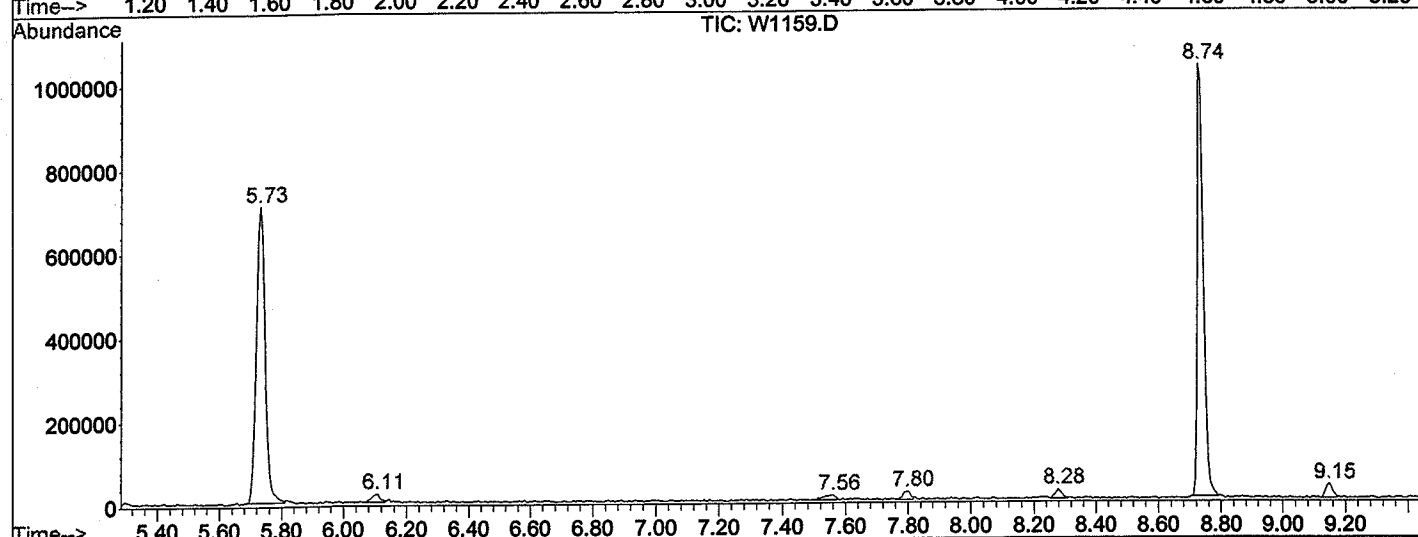
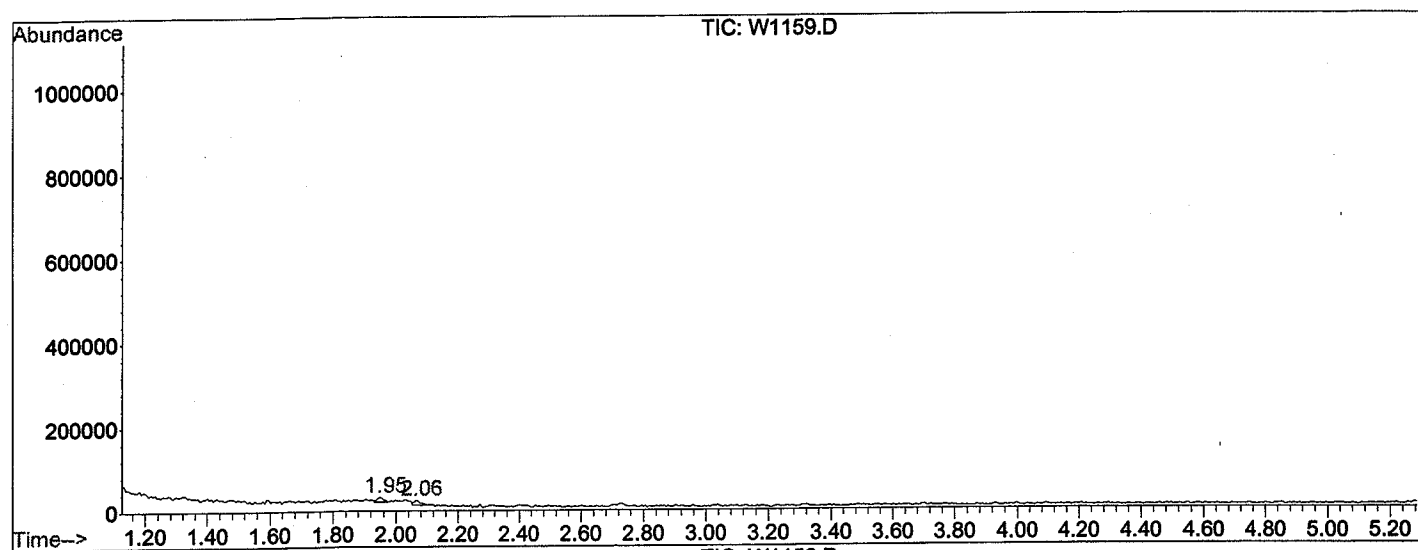
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.948	133	136	140	rVB3	10652	14458	1.02%	0.264%
2	2.064	153	155	161	rVB5	10929	15070	1.07%	0.275%
3	5.731	751	758	771	rBV	704500	1351153	95.50%	24.640%
4	6.108	814	820	824	rBV6	19152	34505	2.44%	0.629%
5	7.561	1049	1059	1063	rBV5	11409	31808	2.25%	0.580%
6	7.799	1093	1098	1101	rBV2	19548	33882	2.39%	0.618%
7	8.279	1173	1177	1182	rBV5	22375	32197	2.28%	0.587%
8	8.735	1247	1252	1261	rBV	1028512	1414823	100.00%	25.801%
9	9.149	1315	1320	1324	rBV3	33037	50322	3.56%	0.918%
10	9.769	1416	1422	1432	rBV	849759	1121708	79.28%	20.455%
11	10.809	1588	1593	1601	rVB	1104111	1368376	96.72%	24.954%
12	12.791	1913	1919	1924	rBV5	7882	15350	1.08%	0.280%

Sum of corrected areas: 5483652

W1159.D OLC0814.M Thu Aug 28 10:33:05 2008

LSC Report - Integrated Chromatogram

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1159.D
 Operator : LIPANI
 Acquired : 14 Aug 2008 10:11 pm using AcqMethod OLC0814
 Instrument : MS#6
 Sample Name: 1124916 1.0
 Misc Info : IT-Latham R8-43894 OLC2.1LL
 Vial Number: 22
 Quant File : OLC0814.RES (RTE Integrator)



W1159.D OLC0814.M Thu Aug 28 10:33:08 2008

Tentatively Identified Compound (LSC) summary

Operator ID: LIPANI Date Acquired: 14 Aug 2008 10:11 pm
Data File: J:\ACQUDATA\MSVOA6\DATA\081408\W1159.D
Name: 1124916 1.0
Misc: IT-Latham R8-43894 OLC2.1LL
Method: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: J:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
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W1159.D OLC0814.M	Thu Aug 28 10:33:08 2008							
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D
Acq On : 14 Aug 2008 9:36 pm
Sample : 1124917 1.0
Misc : IT-Latham R8-43894 OLC2.1LL
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:14 2008

Vial: 21
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	598119	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	503733	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	242645	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	211684	4.89	ug/L	0.00
Spiked Amount	5.000		Recovery	=	97.80%	

Target Compounds

8) Acetone	1.94	43	3573	0.81	ug/L	61
10) Methylene Chloride	2.27	84	3954	0.10	ug/L	# 93

1.08m. Qvalue
JB not enough mass 58

DL 8/28/08

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D

Vial: 21

Acq On : 14 Aug 2008 9:36 pm

Operator: LIPANI

Sample : 1124917 1.0

Inst : MS#6

Misc : IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:14 2008

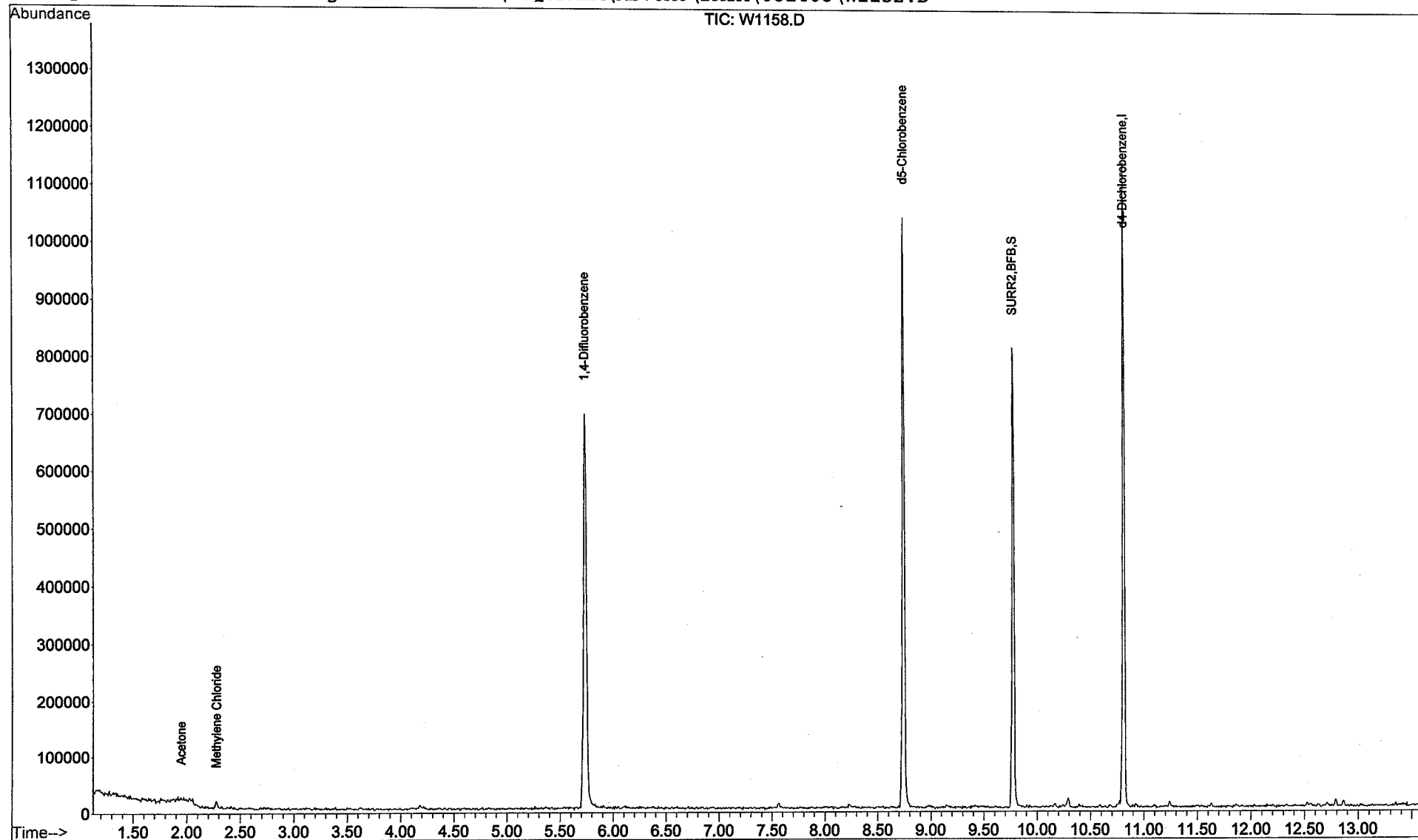
Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

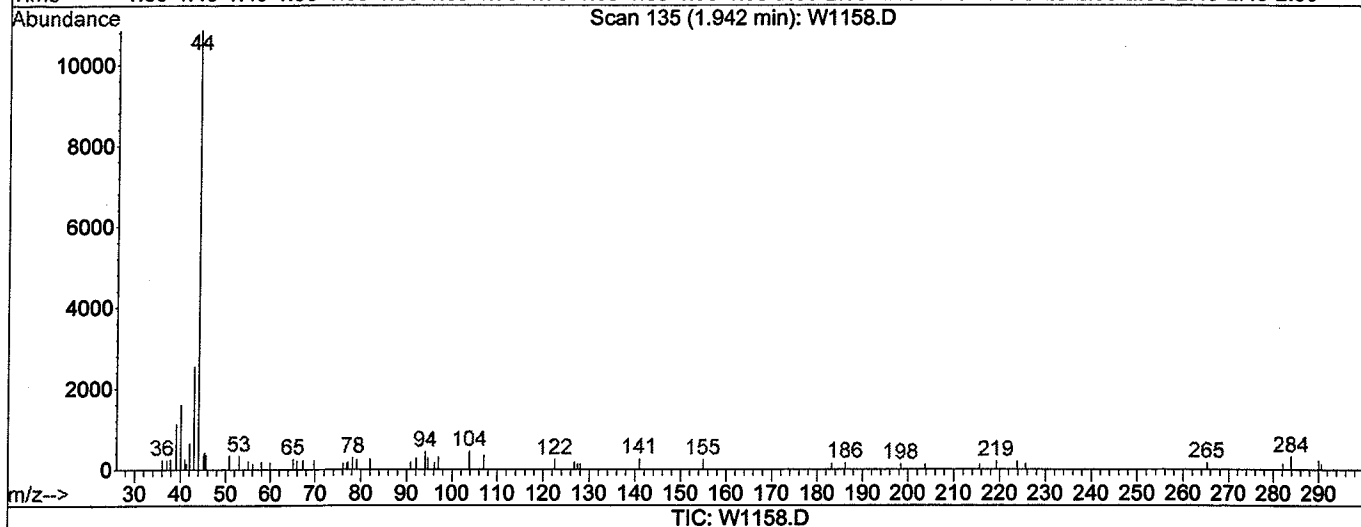
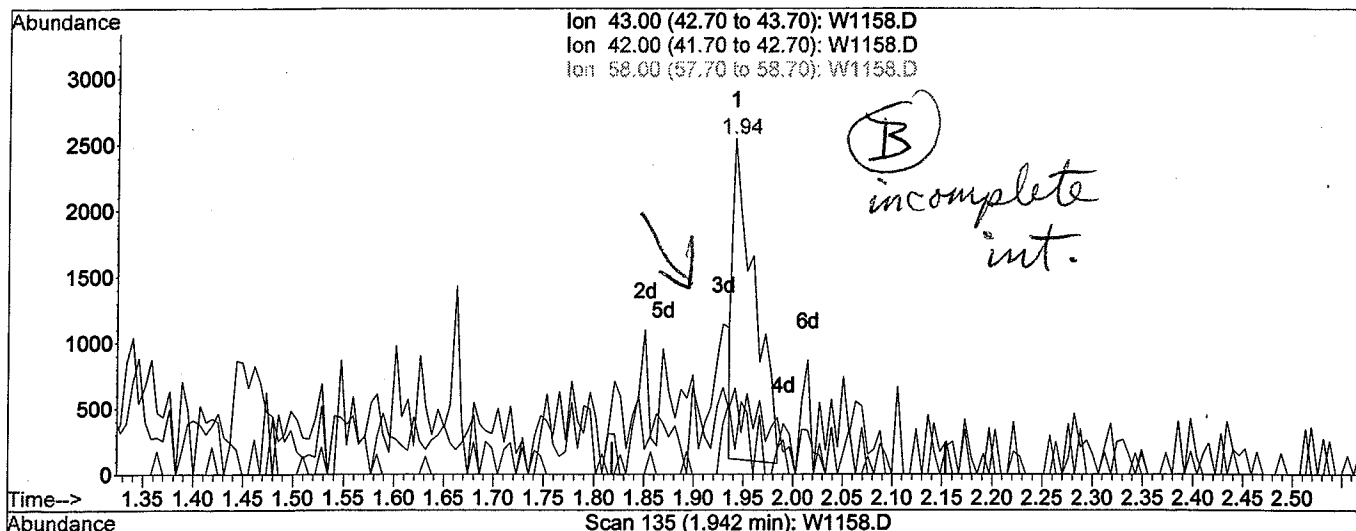
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



Quantitation Report (Qedit)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D Vial: 21
 Acq On : 14 Aug 2008 9:36 pm Operator: LIPANI
 Sample : 1124917 1.0 Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 18 9:14 2008 Quant Results File: temp.res

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Single Level Calibration



(8) Acetone

1.94min 0.81ug/L

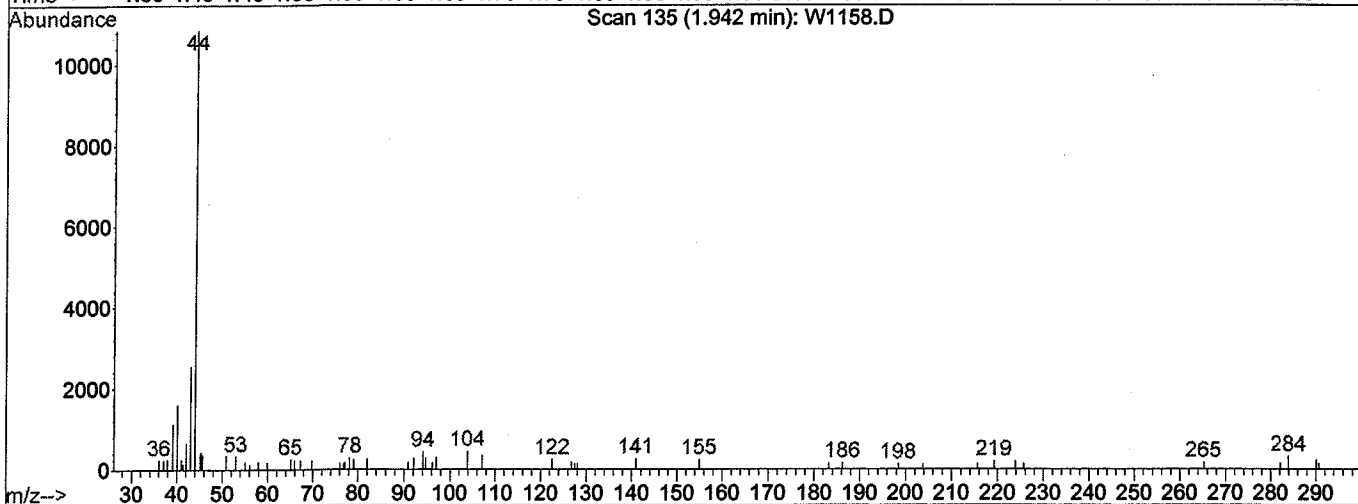
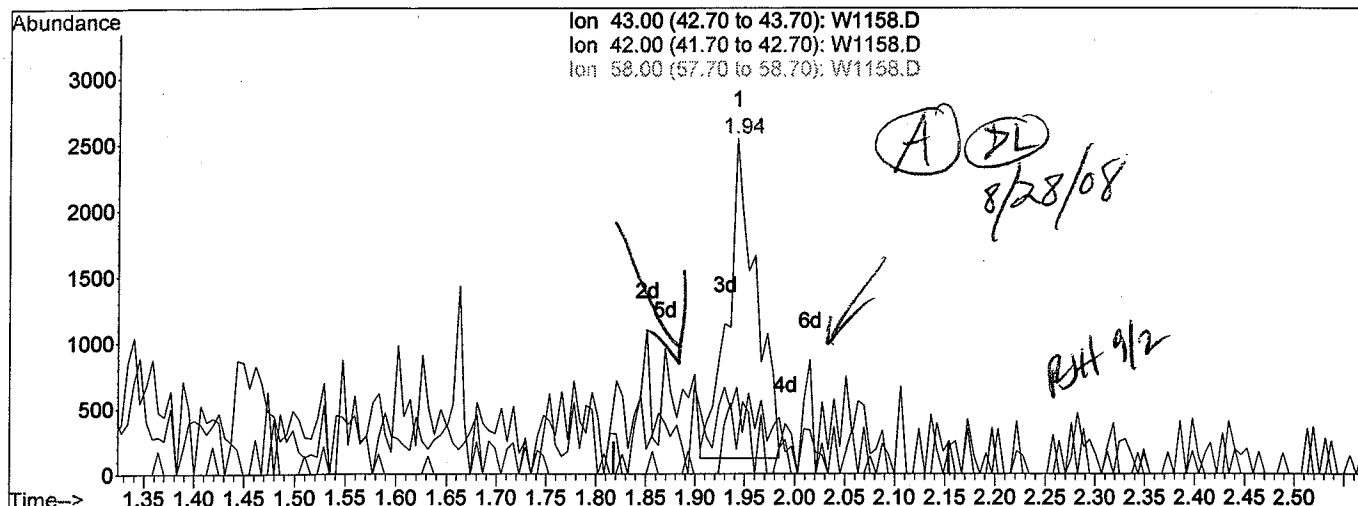
response 3573

Ion	Exp%	Act%
43.00	100	100
42.00	6.80	25.75
58.00	24.70	7.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D Vial: 21
 Acq On : 14 Aug 2008 9:36 pm Operator: LIPANI
 Sample : 1124917 1.0 Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 28 10:08 2008 Quant Results File: temp.res

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Single Level Calibration



TIC: W1158.D

(8) Acetone

1.94min 1.08ug/L m

response 4763

Ion	Exp%	Act%
43.00	100	100
42.00	6.80	25.75
58.00	24.70	7.39
0.00	0.00	0.00

LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D Vial: 21
Acq On : 14 Aug 2008 9:36 pm Operator: LIPANI
Sample : 1124917 1.0 Inst : MS#6
Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

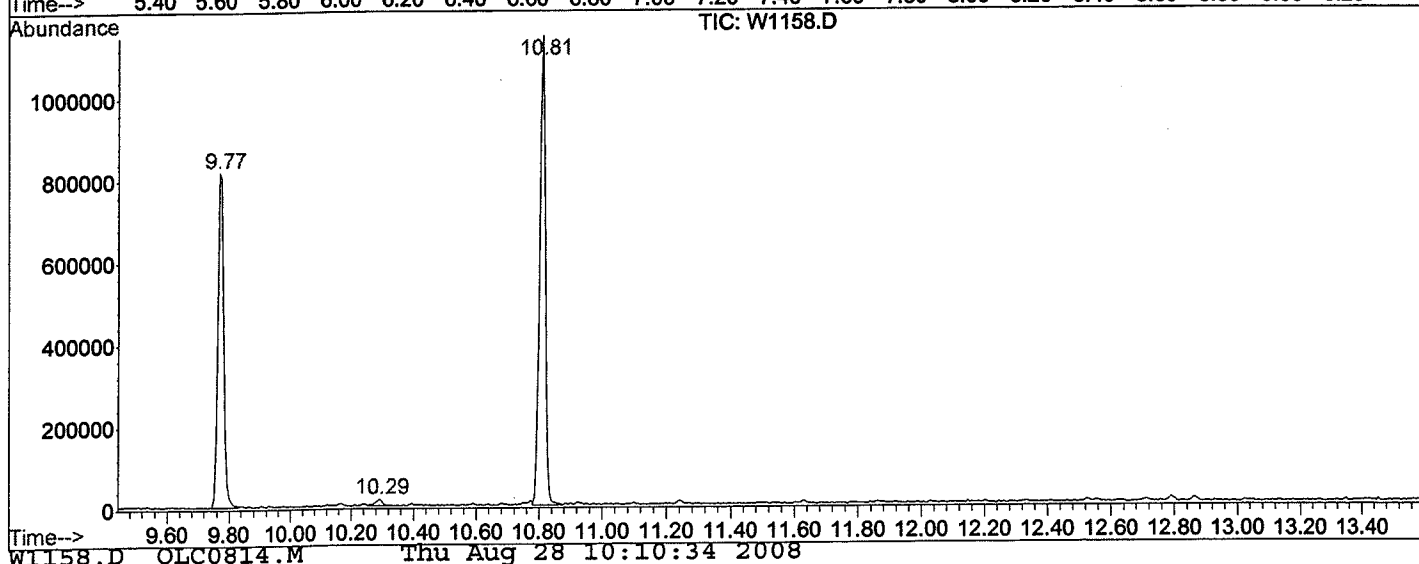
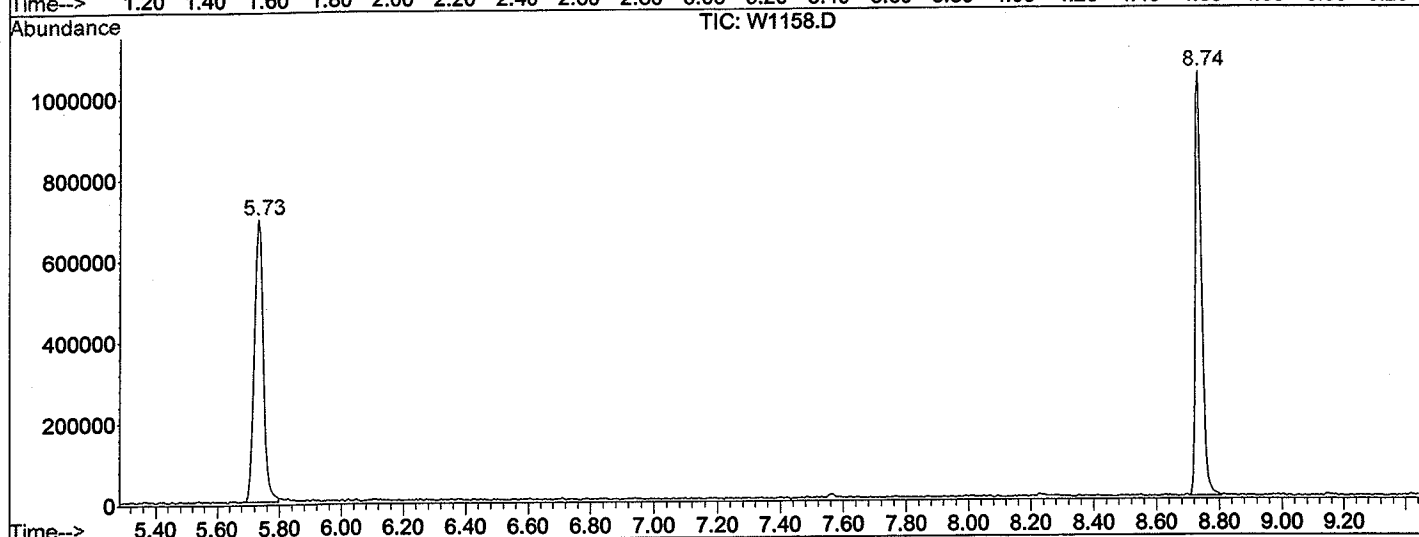
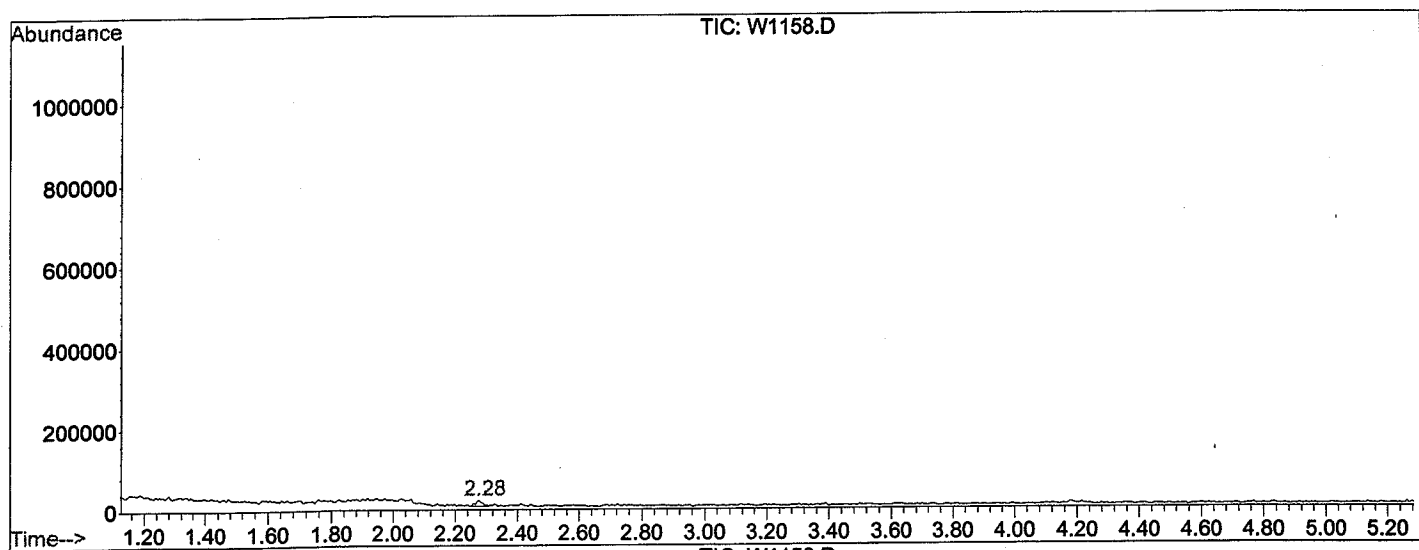
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.276	185	190	195	rBV4	14334	22095	1.51%	0.411%
2	5.730	752	758	769	rBV	694822	1351579	92.09%	25.137%
3	8.741	1247	1253	1264	rBV	1045961	1467617	100.00%	27.295%
4	9.768	1417	1422	1432	rBV	815427	1102123	75.10%	20.497%
5	10.291	1502	1508	1512	rVB3	15695	24056	1.64%	0.447%
6	10.808	1588	1593	1604	rVB	1145635	1409414	96.03%	26.212%

Sum of corrected areas: 5376884

W1158.D OLC0814.M Thu Aug 28 10:10:30 2008

LSC Report - Integrated Chromatogram

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D
 Operator : LIPANI
 Acquired : 14 Aug 2008 9:36 pm using AcqMethod OLC0814
 Instrument : MS#6
 Sample Name: 1124917 1.0
 Misc Info : IT-Latham R8-43894 OLC2.1LL
 Vial Number: 21
 Quant File : OLC0814.RES (RTE Integrator)



W1158.D OLC0814.M Thu Aug 28 10:10:34 2008

Tentatively Identified Compound (LSC) summary

Operator ID: LIPANI Date Acquired: 14 Aug 2008 9:36 pm
Data File: J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D
Name: 1124917 1.0
Misc: IT-Latham R8-43894 OLC2.1LL
Method: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: J:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

W1158.D OLC0814.M	Thu Aug 28 10:10:34 2008							

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		0.2	J
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		0.6	J
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1166.D Vial: 29
 Acq On : 15 Aug 2008 2:19 am Operator: LIPANI
 Sample : 1124918 1.0 Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 18 9:16 2008 Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
 DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	604469	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	496406	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.80	152	232988	5.00	ug/L	0.00

System Monitoring Compounds
 19) SURR2,BFB 9.77 174 214266 4.89 ug/L 0.00
 Spiked Amount 5.000 Recovery = 97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acetone	1.94	43	5110	1.15	ug/L	58. low mass 58
34) Dibromochloromethane	7.80	129	5351	0.24	ug/L	94 J
43) Bromoform	9.14	173	7415	0.63	ug/L	95 J

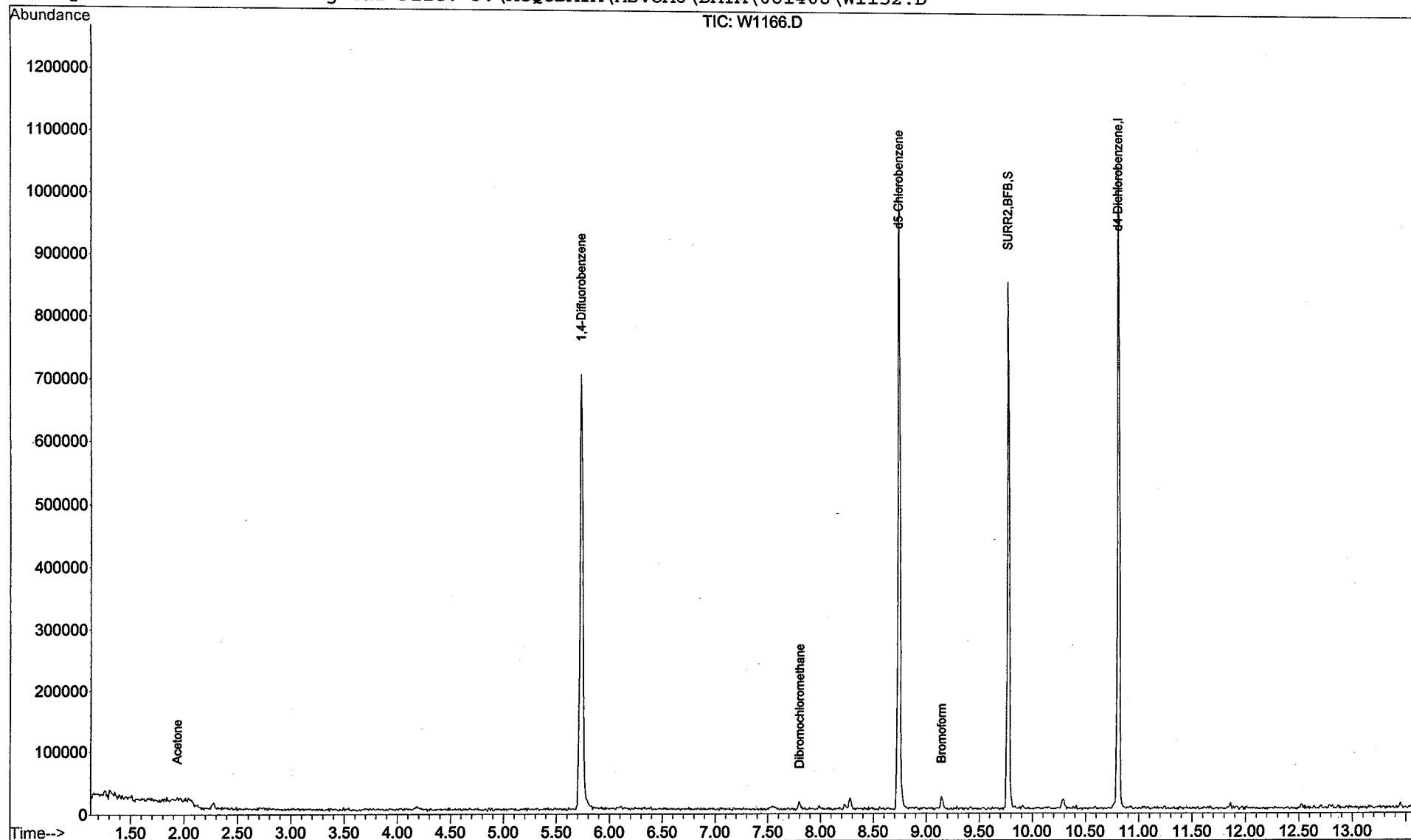
DL
 8/28/08

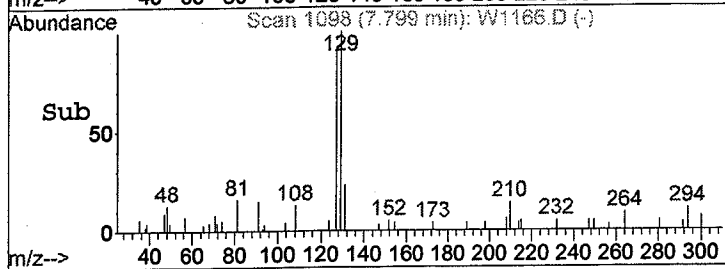
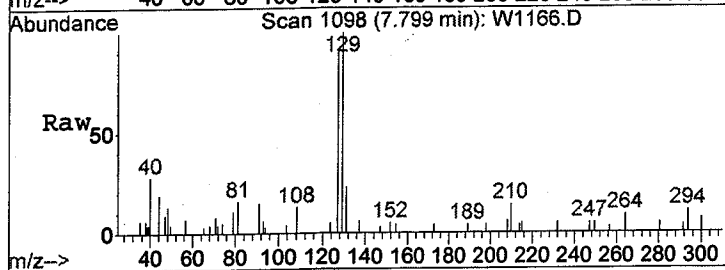
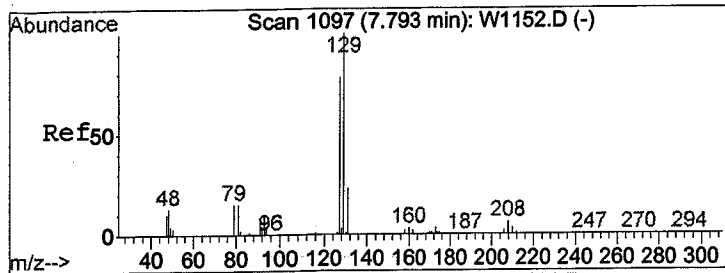
Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1166.D
Acq On : 15 Aug 2008 2:19 am
Sample : 1124918 1.0
Misc : IT-Latham R8-43894 OLC2.1LL
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:16 2008

Vial: 29
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

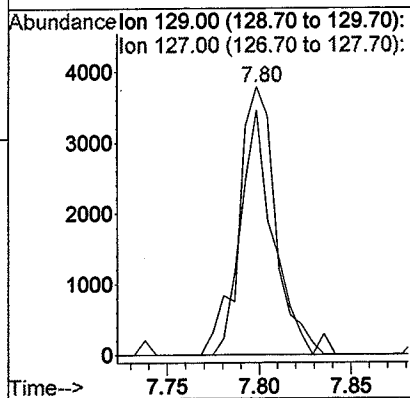
Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

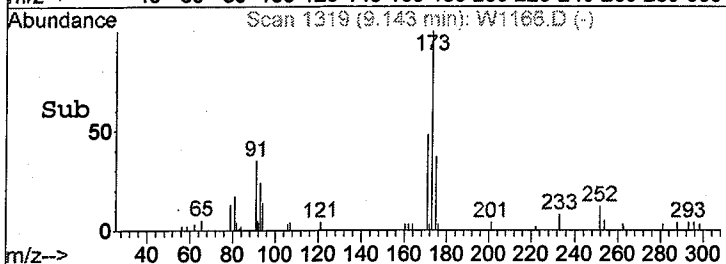
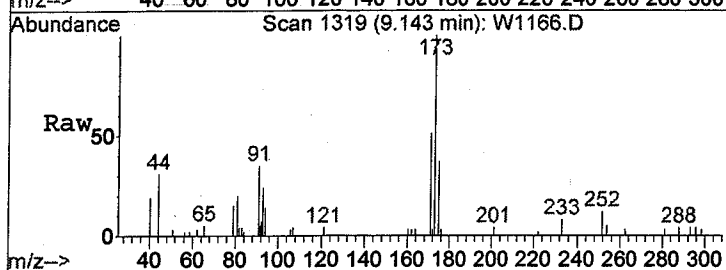
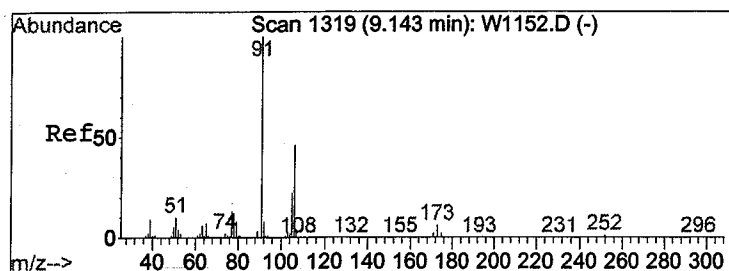




#34
 Dibromochloromethane
 Concen: 0.24 ug/L
 RT: 7.80 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: W1166.D
 Acq: 15 Aug 2008 2:19 am

Tgt Ion:129 Resp: 5351
 Ion Ratio Lower Upper
 129 100
 127 80.6 60.4 90.6





#43

Bromoform

Concen: 0.63 ug/L

RT: 9.14 min Scan# 1319

Delta R.T. -0.00 min

Lab File: W1166.D

Acq: 15 Aug 2008 2:19 am

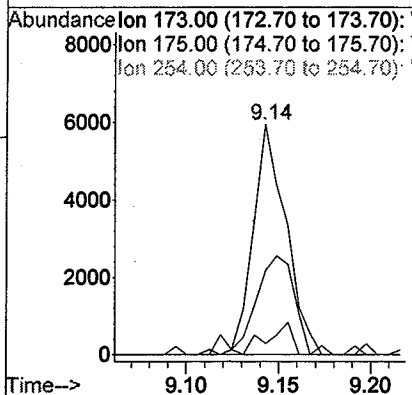
Tgt Ion: 173 Resp: 7415

Ion Ratio Lower Upper

173 100

175 52.7 39.0 58.6

254 11.2 7.8 11.8



LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1166.D Vial: 29
 Acq On : 15 Aug 2008 2:19 am Operator: LIPANI
 Sample : 1124918 1.0 Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: LSCINT.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 1 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

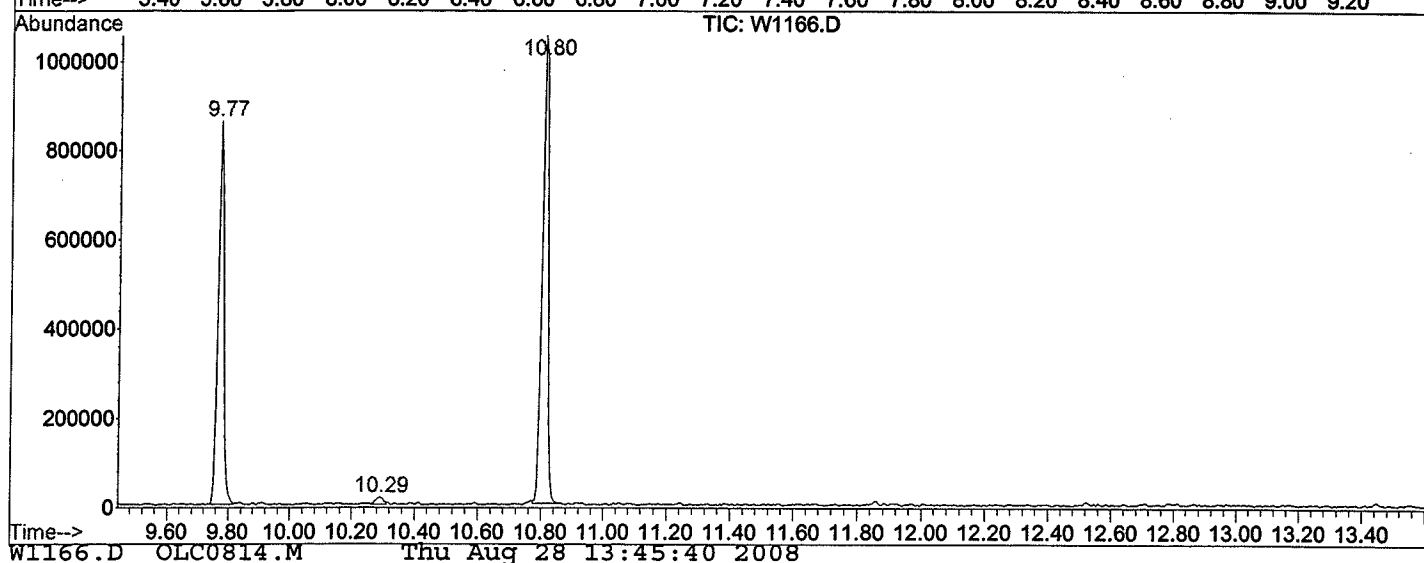
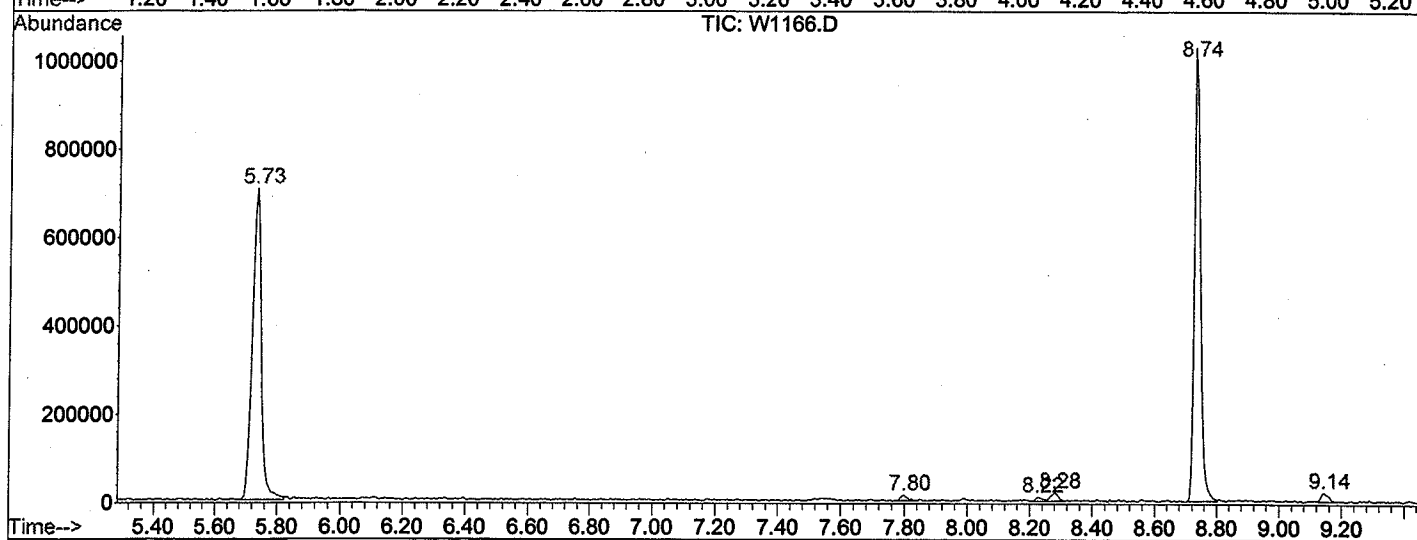
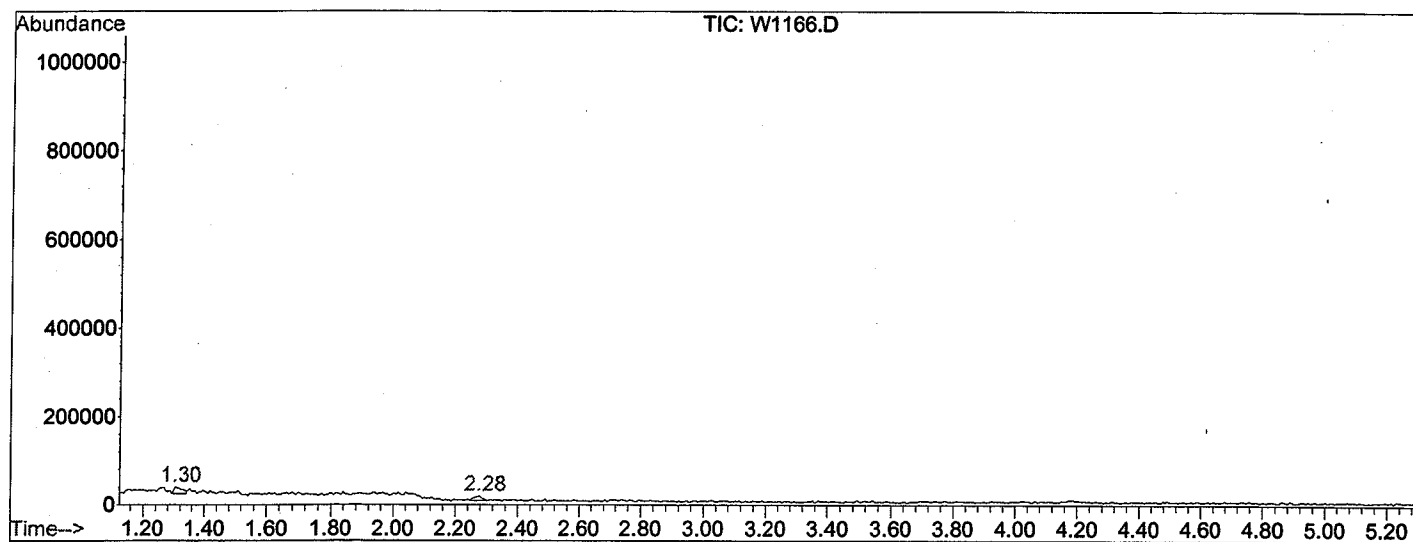
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.304	28	30	36	rBV3	15802	29671	2.07%	0.544%
2	2.277	185	190	194	rVB4	10382	18587	1.30%	0.341%
3	5.731	750	758	773	rBV	704666	1386401	96.82%	25.420%
4	7.799	1094	1098	1105	rVB3	12639	19865	1.39%	0.364%
5	8.225	1164	1168	1173	rBV5	9082	15240	1.06%	0.279%
6	8.279	1173	1177	1182	rVB5	18337	30587	2.14%	0.561%
7	8.735	1247	1252	1263	rBV	1026594	1431942	100.00%	26.255%
8	9.143	1316	1319	1326	rVB3	19895	31655	2.21%	0.580%
9	9.769	1417	1422	1430	rBV	858264	1098004	76.68%	20.133%
10	10.286	1503	1507	1511	rBV4	15212	27198	1.90%	0.499%
11	10.803	1587	1592	1601	rVB	1048177	1364731	95.31%	25.023%

Sum of corrected areas: 5453881

W1166.D OLC0814.M Thu Aug 28 13:45:37 2008

LSC Report - Integrated Chromatogram

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1166.D
 Operator : LIPANI
 Acquired : 15 Aug 2008 2:19 am using AcqMethod OLC0814
 Instrument : MS#6
 Sample Name: 1124918 1.0
 Misc Info : IT-Latham R8-43894 OLC2.1LL
 Vial Number: 29
 Quant File : OLC0814.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: LIPANI Date Acquired: 15 Aug 2008 2:19 am
Data File: J:\ACQUDATA\MSVOA6\DATA\081408\W1166.D
Name: 1124918 1.0
Misc: IT-Latham R8-43894 OLC2.1LL
Method: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: J:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
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W1166.D OLC0814.M	Thu Aug 28 13:45:40 2008							
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VOLATILE ORGANICS
STANDARDS DATA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Instrument ID: GCMS#6 Calibration Date(s): 8/14/08 8/14/08
 Heated Purge (Y/N): N Calibration Times: 15:42 18:51
 GC Column: DB-VRX ID: 0.18 (mm)

LAB FILE ID: RRF1 = W1148.D RRF2 = W1149.D
 RRF5 = W1152.D RRF10 = W1151.D RRF25 = W1153.D

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF25	RRF	% RSD
Chloromethane	0.636	0.561	0.538	0.590	0.541	0.573	7.1
Vinyl Chloride	0.535	0.543	0.496	0.560	0.517	0.530	4.6
Bromomethane	0.365	0.328	0.307	0.333	0.318	0.330	6.6
Chloroethane	0.330	0.309	0.290	0.320	0.299	0.310	5.1
Trichlorofluoromethane	0.818	0.806	0.718	0.820	0.762	0.785	5.7
1,1-Dichloroethene	0.365	0.357	0.359	0.393	0.367	0.368	3.9
Acetone	0.055	0.044	0.037	0.036	0.033	0.041	21.4
Carbon Disulfide	1.373	1.306	1.279	1.283	1.276	1.303	3.1
Methylene Chloride	0.350	0.344	0.318	0.351	0.321	0.337	4.7
trans-1,2-Dichloroethene	0.436	0.408	0.398	0.444	0.418	0.421	4.6
1,1-Dichloroethane	0.771	0.729	0.711	0.798	0.746	0.751	4.6
cis-1,2-Dichloroethene	0.407	0.400	0.382	0.429	0.405	0.405	4.2
2-Butanone	0.050	0.047	0.048	0.048	0.047	0.048	2.8
Bromochloromethane	0.147	0.142	0.122	0.145	0.135	0.138	7.5
Chloroform	0.724	0.688	0.630	0.721	0.688	0.690	5.5
1,2-Dichloroethane	0.350	0.359	0.314	0.363	0.323	0.342	6.4
1,1,1-Trichloroethane	0.840	0.804	0.784	0.867	0.892	0.837	5.3
Carbon Tetrachloride	0.660	0.638	0.610	0.689	0.705	0.660	5.8
Benzene	1.636	1.612	1.564	1.746	1.759	1.663	5.2
Trichloroethene	0.425	0.414	0.406	0.454	0.451	0.430	5.0
1,2-Dichloropropane	0.346	0.297	0.284	0.323	0.316	0.313	7.7
Bromodichloromethane	0.426	0.415	0.401	0.445	0.454	0.428	5.1
cis-1,3-Dichloropropene	0.410	0.411	0.406	0.445	0.463	0.427	5.9
4-Methyl-2-Pentanone	0.094	0.093	0.092	0.096	0.103	0.096	4.7
Toluene	1.576	1.546	1.528	1.647	1.692	1.598	4.3
trans-1,3-Dichloropropene	0.316	0.316	0.313	0.344	0.352	0.328	5.6
1,1,2-Trichloroethane	0.165	0.155	0.151	0.169	0.168	0.162	5.0
Tetrachloroethene	0.546	0.507	0.497	0.546	0.565	0.532	5.4
2-Hexanone	0.055	0.063	0.065	0.064	0.070	0.063	8.5
Dibromochloromethane	0.255	0.223	0.224	0.244	0.256	0.240	6.7
1,2-Dibromoethane	0.173	0.152	0.153	0.171	0.165	0.163	6.0
Chlorobenzene	1.032	0.963	0.955	1.027	1.055	1.006	4.4
Ethylbenzene	1.779	1.769	1.766	1.937	2.004	1.851	6.0
(m+p) Xylene	0.693	0.686	0.685	0.752	0.797	0.723	6.9
o-Xylene	0.644	0.629	0.627	0.700	0.723	0.665	6.6
Styrene	0.917	0.908	0.934	1.023	1.072	0.971	7.5
1,1,2,2-Tetrachloroethane	0.169	0.149	0.145	0.158	0.163	0.157	6.3
Bromoform	0.270	0.254	0.251	0.286	0.280	0.268	5.8
1,3-Dichlorobenzene	1.849	1.647	1.656	1.840	1.782	1.755	5.6

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Instrument ID: GCMS#6 Calibration Date(s): 8/14/08 8/14/08
 Heated Purge (Y/N): N Calibration Times: 15:42 18:51
 GC Column: DB-VRX ID: 0.18 (mm)

LAB FILE ID: RRF1 = W1148.D RRF2 = W1149.D
 RRF5 = W1152.D RRF10 = W1151.D RRF25 = W1153.D

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF25	RRF	% RSD
1,4-Dichlorobenzene	*	1.805	1.590	1.586	1.722	1.638	1.668	5.6 *
1,2-Dichlorobenzene	*	1.347	1.309	1.300	1.403	1.312	1.334	3.2 *
1,2-Dibromo-3-chloropropane	*	0.052	0.045	0.052	0.051	0.050	0.050	6.3 *
1,2,4-Trichlorobenzene	*	0.933	0.912	0.894	1.013	0.951	0.940	4.9 *
Hexachlorobutadiene	*	0.621	0.613	0.699	0.735	0.688	0.671	7.8 *
1,2,3-Trichlorobenzene	*	0.716	0.678	0.683	0.721	0.684	0.696	2.9 *
4-Bromofluorobenzene	*	0.343	0.322	0.362	0.348	0.368	0.348	5.2 *

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1148.D

Acq On : 14 Aug 2008 3:42 pm

Sample : VSTD001/005

Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 8:59 2008

Vial: 13

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 08:59:00 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	517614	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	432580	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	205002	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	35493	0.95	ug/L	0.00
Spiked Amount	5.000		Recovery	=	19.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Chloromethane	1.26	50	65824	1.18	ug/L	87
3) Vinyl Chloride	1.35	62	55373	1.08	ug/L	99
4) Bromomethane	1.52	94	37777	1.19	ug/L	97
5) Chloroethane	1.59	64	34189	1.14	ug/L	99
6) Trichlorofluoromethane	1.88	101	84726	1.14	ug/L	95
7) 1,1-Dicethene	2.18	96	37817	1.02	ug/L	86
8) Acetone	1.94	43	28268	7.40	ug/L	91
9) Carbon Disulfide	2.40	76	142130	1.07	ug/L	100
10) Methylene Chloride	2.28	84	36199	1.10	ug/L #	90
11) trans-1,2-Dichloroethene	2.76	96	45165	1.10	ug/L	84
12) Methyl-t-Butyl Ether	2.87	73	60845	1.15	ug/L #	93
13) 1,1-Dicethane	2.96	63	79806	1.08	ug/L #	90
14) cis-1,2-Dichloroethene	3.52	96	42168	1.07	ug/L #	91
15) 2-Butanone	3.41	43	25872	5.25	ug/L #	90
16) Bromochloromethane	3.68	128	15221	1.21	ug/L	92
17) Chloroform	3.76	83	74934	1.15	ug/L	97
18) 1,2-Dichloroethane	4.62	62	36239	1.12	ug/L	98
21) 1,1,1-Trichloroethane	4.74	97	72642	1.07	ug/L	97
22) Carbontetrachloride	5.29	117	57054	1.08	ug/L #	92
23) Benzene	5.37	78	141501	1.05	ug/L	97
24) Trichloroethene	6.10	95	36723	1.04	ug/L	100
25) 1,2-Diclpropane	6.05	63	29960	1.22	ug/L	100
26) Bromodichloromethane	6.14	83	36809	1.06	ug/L	99
27) cis-1,3-Dichloropropene	6.84	75	35466	1.01	ug/L	92
28) 4-Methyl-2-Pentanone	7.01	43	40729	5.11	ug/L	97
29) Toluene	7.56	91	136334	1.03	ug/L	99
30) trans-1,3-Dichloropropene	7.28	75	27315	1.01	ug/L	95
31) 1,1,2-Trichloroethane	7.38	97	14275	1.09	ug/L	96
32) Tetrachloroethene	8.19	166	47208	1.10	ug/L	95
33) 2-Hexanone	7.84	43	23729	4.22	ug/L	89
34) Dibromochloromethane	7.80	129	22052	1.14	ug/L	99
35) 1,2-Dibromoethane	8.01	107	14935	1.13	ug/L #	92
36) Chlorobenzene	8.77	112	89323	1.08	ug/L	94
37) Ethylbenzene	8.97	91	153865	1.01	ug/L	98
38) (m+p)Xylene	9.15	106	119898	2.02	ug/L	98
39) o-Xylene	9.46	106	55734	1.03	ug/L	99
40) Styrene	9.40	104	79333	0.98	ug/L	99
41) 1,1,2,2-Tetrachloroethane	9.45	83	14626	1.16	ug/L	93
43) Bromoform	9.15	173	11080	1.08	ug/L #	96
44) 1,3-Diclbenezene	10.77	146	75825	1.12	ug/L	97
45) 1,4-Diclbenezene	10.83	146	74019	1.14	ug/L	100
46) 1,2-Diclbenezene	11.09	146	55208	1.04	ug/L	98

(#) = qualifier out of range (m) = manual integration
W1148.D OLC0814.M Mon Aug 18 09:10:13 2008

8/18/08

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Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1148.D
Acq On : 14 Aug 2008 3:42 pm
Sample : VSTD001/005
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 18 8:59 2008

Vial: 13
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

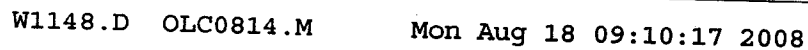
Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 08:59:00 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
DataAcq Meth : OLC0814

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2-Dibromo-3-chloropropan	11.46	75	2147	1.00	ug/L #	83
48) 1,2,4-Tcbenzene	12.53	180	38246	1.04	ug/L	97
49) Hexachlorobt	12.80	225	25475	0.89	ug/L	98
50) 1,2,3-Tclbenzene	12.86	180	29360	1.05	ug/L	98

Vial: 13
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W
undance
1200000



Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1149.D

Acq On : 14 Aug 2008 4:18 pm

Sample : VSTD002/010

Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:01 2008

Vial: 14

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:00:22 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	548070	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	463661	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	226884	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	70563	1.78	ug/L	0.00
Spiked Amount	5.000		Recovery	=	35.60%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Chloromethane	1.26	50	123081	2.09	ug/L	97
3) Vinyl Chloride	1.34	62	118972	2.19	ug/L	95
4) Bromomethane	1.52	94	71870	2.13	ug/L	94
5) Chloroethane	1.59	64	67750	2.13	ug/L	98
6) Trichlorofluoromethane	1.88	101	176666	2.25	ug/L	100
7) 1,1-Dicethene	2.18	96	78165	1.99	ug/L	93
8) Acetone	1.94	43	48214	11.92	ug/L	98
9) Carbon Disulfide	2.41	76	286237	2.04	ug/L	97
10) Methylene Chloride	2.27	84	75504	2.16	ug/L	94
11) trans-1,2-Dichloroethene	2.76	96	89531	2.05	ug/L	95
12) Methyl-t-Butyl Ether	2.87	73	128311	2.29	ug/L	# 91
13) 1,1-Dicethane	2.96	63	159725	2.05	ug/L	97
14) cis-1,2-Dichloroethene	3.52	96	87761	2.10	ug/L	94
15) 2-Butanone	3.42	43	51257	9.82	ug/L	97
16) Bromochloromethane	3.69	128	31163	2.34	ug/L	86
17) Chloroform	3.76	83	150883	2.18	ug/L	95
18) 1,2-Dichloroethane	4.61	62	78592	2.29	ug/L	96
21) 1,1,1-Trichloroethane	4.74	97	149033	2.05	ug/L	93
22) Carbontetrachloride	5.29	117	118393	2.09	ug/L	90
23) Benzene	5.37	78	298940	2.06	ug/L	95
24) Trichloroethene	6.10	95	76700	2.04	ug/L	98
25) 1,2-Diclpropane	6.04	63	55125	2.09	ug/L	99
26) Bromodichloromethane	6.14	83	76897	2.07	ug/L	98
27) cis-1,3-Dichloropropene	6.84	75	76155	2.02	ug/L	94
28) 4-Methyl-2-Pentanone	7.01	43	86173	10.08	ug/L	95
29) Toluene	7.56	91	286786	2.02	ug/L	97
30) trans-1,3-Dichloropropene	7.28	75	58552	2.02	ug/L	99
31) 1,1,2-Trichloroethane	7.38	97	28730	2.05	ug/L	95
32) Tetrachloroethene	8.18	166	93943	2.04	ug/L	95
33) 2-Hexanone	7.84	43	58166	9.66	ug/L	# 94
34) Dibromochloromethane	7.80	129	41308	1.99	ug/L	88
35) 1,2-Dibromoethane	8.01	107	28156	1.99	ug/L	97
36) Chlorobenzene	8.77	112	178628	2.02	ug/L	98
37) Ethylbenzene	8.97	91	328128	2.00	ug/L	99
38) (m+p)Xylene	9.15	106	254518	4.01	ug/L	99
39) o-Xylene	9.46	106	116608	2.01	ug/L	100
40) Styrene	9.41	104	168329	1.94	ug/L	99
41) 1,1,2,2-Tetrachloroethane	9.45	83	27603	2.05	ug/L	98
43) Bromoform	9.14	173	23061	2.03	ug/L	97
44) 1,3-Diclbenezene	10.77	146	149459	1.99	ug/L	98
45) 1,4-Diclbenezene	10.83	146	144285	2.00	ug/L	96
46) 1,2-Diclbenezene	11.10	146	118825	2.01	ug/L	100

(#) = qualifier out of range (m) = manual integration
W1149.D OLC0814.M Mon Aug 18 09:01:47 2008

08/18/08

DL

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1149.D

Acq On : 14 Aug 2008 4:18 pm

Sample : VSTD002/010

Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:01 2008

Vial: 14

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:00:22 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2-Dibromo-3-chloropropan	11.46	75	4055	1.71	ug/L #	88
48) 1,2,4-Tcbenzene	12.53	180	82773	2.04	ug/L	95
49) Hexachlorobt	12.79	225	55601	1.75	ug/L	96
50) 1,2,3-Tclbenzene	12.87	180	61524	1.98	ug/L	95

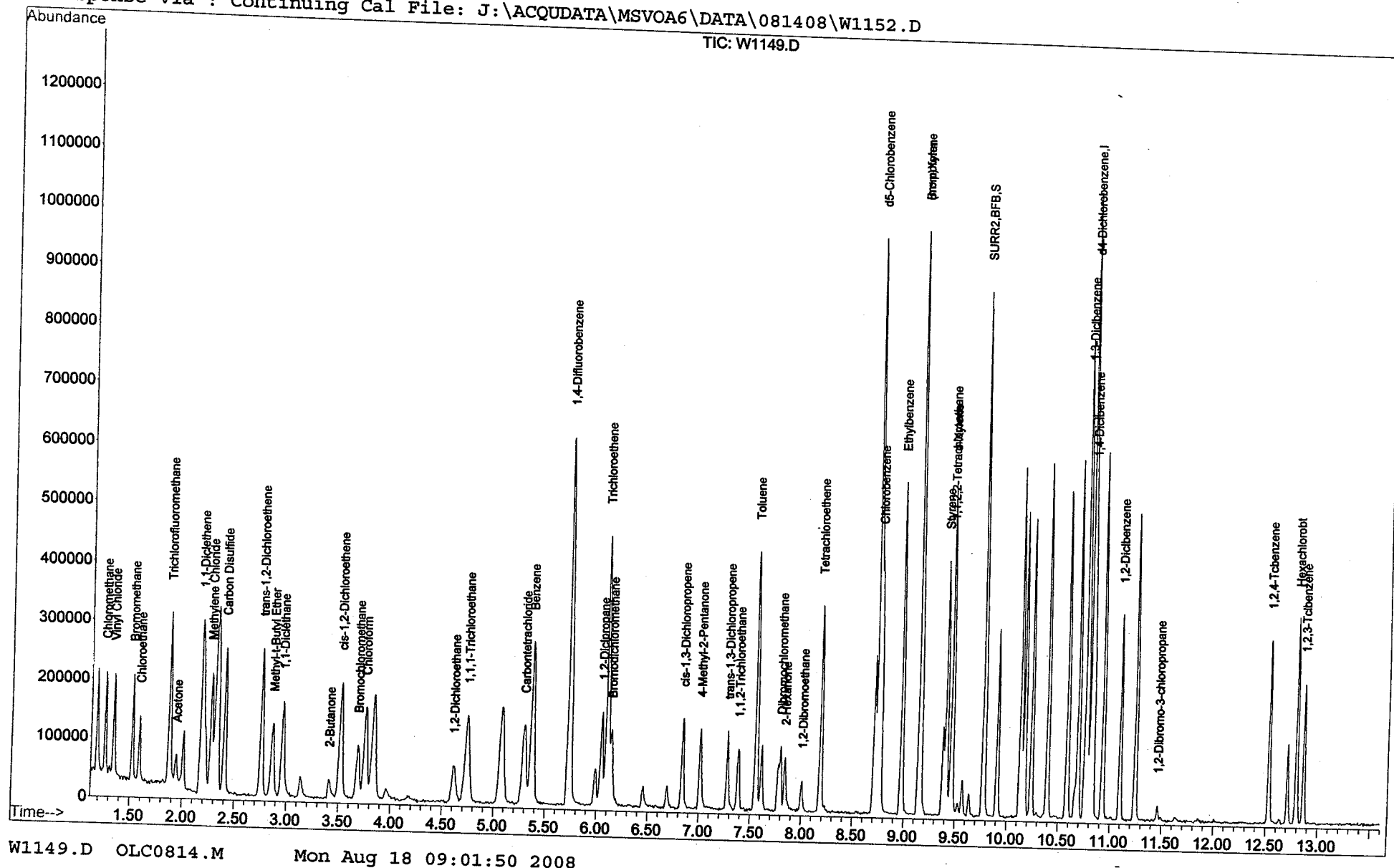
(#) = qualifier out of range (m) = manual integration
W1149.D OLC0814.M Mon Aug 18 09:01:47 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1149.D
Acq On : 14 Aug 2008 4:18 pm
Sample : VSTD002/010
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:01 2008

Vial: 14
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:01:18 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



W1149.D OLC0814.M

Mon Aug 18 09:01:50 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

Acq On : 14 Aug 2008 6:19 pm

Sample : VSTD005/025

Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 8:58 2008

Vial: 17

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 08:57:52 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	578770	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	471240	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	235125	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	209570	5.00	ug/L	0.00
Spiked Amount	5.000		Recovery	=	100.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Chloromethane	1.26	50	311351	5.00	ug/L	100
3) Vinyl Chloride	1.35	62	287164	5.00	ug/L	100
4) Bromomethane	1.52	94	177795	5.00	ug/L	100
5) Chloroethane	1.59	64	168005	5.00	ug/L	100
6) Trichlorofluoromethane	1.88	101	415298	5.00	ug/L	100
7) 1,1-Dicethene	2.18	96	207776	5.00	ug/L	100
8) Acetone	1.94	43	106816	25.00	ug/L	100
9) Carbon Disulfide	2.41	76	739936	5.00	ug/L	100
10) Methylene Chloride	2.27	84	184246	5.00	ug/L	100
11) trans-1,2-Dichloroethene	2.76	96	230145	5.00	ug/L	100
12) Methyl-t-Butyl Ether	2.86	73	295946	5.00	ug/L	100
13) 1,1-Dicethane	2.96	63	411432	5.00	ug/L	100
14) cis-1,2-Dichloroethene	3.52	96	220852	5.00	ug/L	100
15) 2-Butanone	3.40	43	137840	25.00	ug/L	100
16) Bromochloromethane	3.69	128	70396	5.00	ug/L	100
17) Chloroform	3.76	83	364745	5.00	ug/L	100
18) 1,2-Dichloroethane	4.61	62	181586	5.00	ug/L	100
21) 1,1,1-Trichloroethane	4.74	97	369241	5.00	ug/L	100
22) Carbontetrachloride	5.29	117	287301	5.00	ug/L	100
23) Benzene	5.37	78	736824	5.00	ug/L	100
24) Trichloroethene	6.10	95	191525	5.00	ug/L	100
25) 1,2-Dicloropropane	6.05	63	133741	5.00	ug/L	100
26) Bromodichloromethane	6.14	83	189138	5.00	ug/L	100
27) cis-1,3-Dichloropropene	6.84	75	191501	5.00	ug/L	100
28) 4-Methyl-2-Pentanone	7.01	43	217209	25.00	ug/L	100
29) Toluene	7.56	91	720225	5.00	ug/L	100
30) trans-1,3-Dichloropropene	7.28	75	147489	5.00	ug/L	100
31) 1,1,2-Trichloroethane	7.39	97	71171	5.00	ug/L	100
32) Tetrachloroethene	8.19	166	234355	5.00	ug/L	100
33) 2-Hexanone	7.84	43	152983	25.00	ug/L	100
34) Dibromochloromethane	7.79	129	105641	5.00	ug/L	100
35) 1,2-Dibromoethane	8.00	107	72073	5.00	ug/L	100
36) Chlorobenzene	8.77	112	449782	5.00	ug/L	100
37) Ethylbenzene	8.97	91	832352	5.00	ug/L	100
38) (m+p)Xylene	9.15	106	645261	10.00	ug/L	100
39) o-Xylene	9.46	106	295534	5.00	ug/L	100
40) Styrene	9.40	104	439986	5.00	ug/L	100
41) 1,1,2,2-Tetrachloroethane	9.45	83	68534	5.00	ug/L	100
43) Bromoform	9.14	173	58953	5.00	ug/L	100
44) 1,3-Diclbenezene	10.77	146	389459	5.00	ug/L	100
45) 1,4-Diclbenezene	10.83	146	372923	5.00	ug/L	100
46) 1,2-Diclbenezene	11.09	146	305672	5.00	ug/L	100

(#) = qualifier out of range (m) = manual integration
W1152.D OLC0814.M Mon Aug 18 08:58:02 2008

08/18/08
52

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

Acq On : 14 Aug 2008 6:19 pm

Sample : VSTD005/025

Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 8:58 2008

Vial: 17

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 08:57:52 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2-Dibromo-3-chloropropan	11.45	75	12316	5.00	ug/L	100
48) 1,2,4-Tcbenzene	12.52	180	210210	5.00	ug/L	100
49) Hexachlorobt	12.79	225	164420	5.00	ug/L	100
50) 1,2,3-Tclbenzene	12.86	180	160675	5.00	ug/L	100

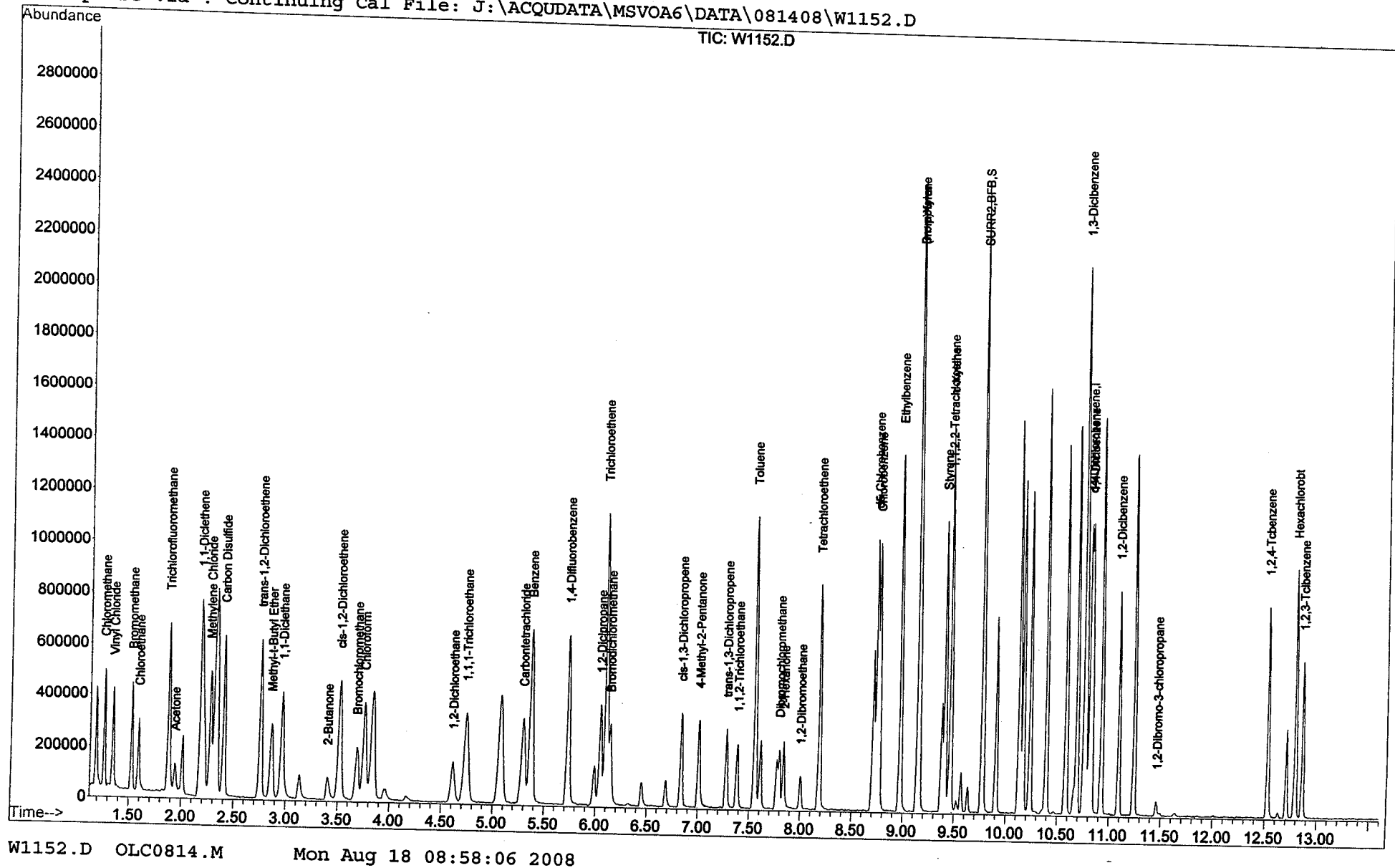
(#) = qualifier out of range (m) = manual integration
W1152.D OLC0814.M Mon Aug 18 08:58:03 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
Acq On : 14 Aug 2008 6:19 pm
Sample : VSTD005/025
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 18 8:58 2008

Vial: 17
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 08:57:52 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1151.D

Acq On : 14 Aug 2008 5:44 pm

Sample : VSTD010/050

Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:04 2008

Vial: 16

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:01:18 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	582590	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.73	117	484390	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	237841	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	405293	9.61	ug/L	0.00
Spiked Amount	5.000					
			Recovery	=	192.20%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Chloromethane	1.26	50	687624	10.97	ug/L	97
3) Vinyl Chloride	1.35	62	652359	11.28	ug/L	95
4) Bromomethane	1.52	94	387682	10.83	ug/L	94
5) Chloroethane	1.59	64	372998	11.03	ug/L	98
6) Trichlorofluoromethane	1.88	101	955964	11.43	ug/L	97
7) 1,1-Dicethene	2.18	96	457456	10.94	ug/L	94
8) Acetone	1.94	43	207737	48.30	ug/L	94
9) Carbon Disulfide	2.40	76	1494314	10.03	ug/L	98
10) Methylene Chloride	2.28	84	408559	11.01	ug/L	99
11) trans-1,2-Dichloroethene	2.76	96	517569	11.17	ug/L	91
12) Methyl-t-Butyl Ether	2.86	73	694979	11.66	ug/L	99
13) 1,1-Dicethane	2.96	63	929640	11.22	ug/L	99
14) cis-1,2-Dichloroethene	3.52	96	499741	11.24	ug/L	94
15) 2-Butanone	3.40	43	279564	50.37	ug/L	95
16) Bromochloromethane	3.68	128	169096	11.93	ug/L	89
17) Chloroform	3.75	83	840178	11.44	ug/L	97
18) 1,2-Dichloroethane	4.61	62	422807	11.57	ug/L	98
21) 1,1,1-Trichloroethane	4.74	97	839858	11.06	ug/L	99
22) Carbontetrachloride	5.29	117	666978	11.29	ug/L	98
23) Benzene	5.37	78	1691638	11.17	ug/L	99
24) Trichloroethene	6.10	95	439574	11.16	ug/L	98
25) 1,2-Diclpropane	6.04	63	312481	11.37	ug/L	99
26) Bromodichloromethane	6.14	83	431467	11.10	ug/L	99
27) cis-1,3-Dichloropropene	6.83	75	431101	10.95	ug/L	98
28) 4-Methyl-2-Pentanone	7.00	43	467039	52.30	ug/L	100
29) Toluene	7.56	91	1595925	10.78	ug/L	100
30) trans-1,3-Dichloropropene	7.28	75	333090	10.99	ug/L	98
31) 1,1,2-Trichloroethane	7.38	97	163785	11.19	ug/L	98
32) Tetrachloroethene	8.18	166	528962	10.98	ug/L	98
33) 2-Hexanone	7.83	43	308918	49.11	ug/L	99
34) Dibromochloromethane	7.79	129	236766	10.90	ug/L	97
35) 1,2-Dibromoethane	8.00	107	165443	11.17	ug/L	98
36) Chlorobenzene	8.77	112	994576	10.76	ug/L	100
37) Ethylbenzene	8.97	91	1876130	10.96	ug/L	99
38) (m+p)Xylene	9.15	106	1457349	21.97	ug/L	99
39) o-Xylene	9.46	106	678368	11.17	ug/L	98
40) Styrene	9.40	104	990762	10.95	ug/L	100
41) 1,1,2,2-Tetrachloroethane	9.45	83	152623	10.83	ug/L	95
43) Bromoform	9.14	173	136030	11.41	ug/L	99
44) 1,3-Diclbenezene	10.77	146	875464	11.11	ug/L	99
45) 1,4-Diclbenezene	10.83	146	819014	10.86	ug/L	98
46) 1,2-Diclbenezene	11.09	146	667544	10.79	ug/L	97

(#) = qualifier out of range (m) = manual integration
W1151.D OLC0814.M Mon Aug 18 09:03:56 2008

08/18/08
PL

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1151.D

Vial: 16

Acq On : 14 Aug 2008 5:44 pm

Operator: LIPANI

Sample : VSTD010/050

Inst : MS#6

Misc : OLC 2.1 ICAL GCMS#6

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:04 2008

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:01:18 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2-Dibromo-3-chloropropan	11.46	75	24032	9.65	ug/L #	83
48) 1,2,4-Tcbenzene	12.53	180	481655	11.33	ug/L	94
49) Hexachlorobt	12.79	225	349436	10.50	ug/L	99
50) 1,2,3-Tclbenzene	12.86	180	342798	10.55	ug/L	96

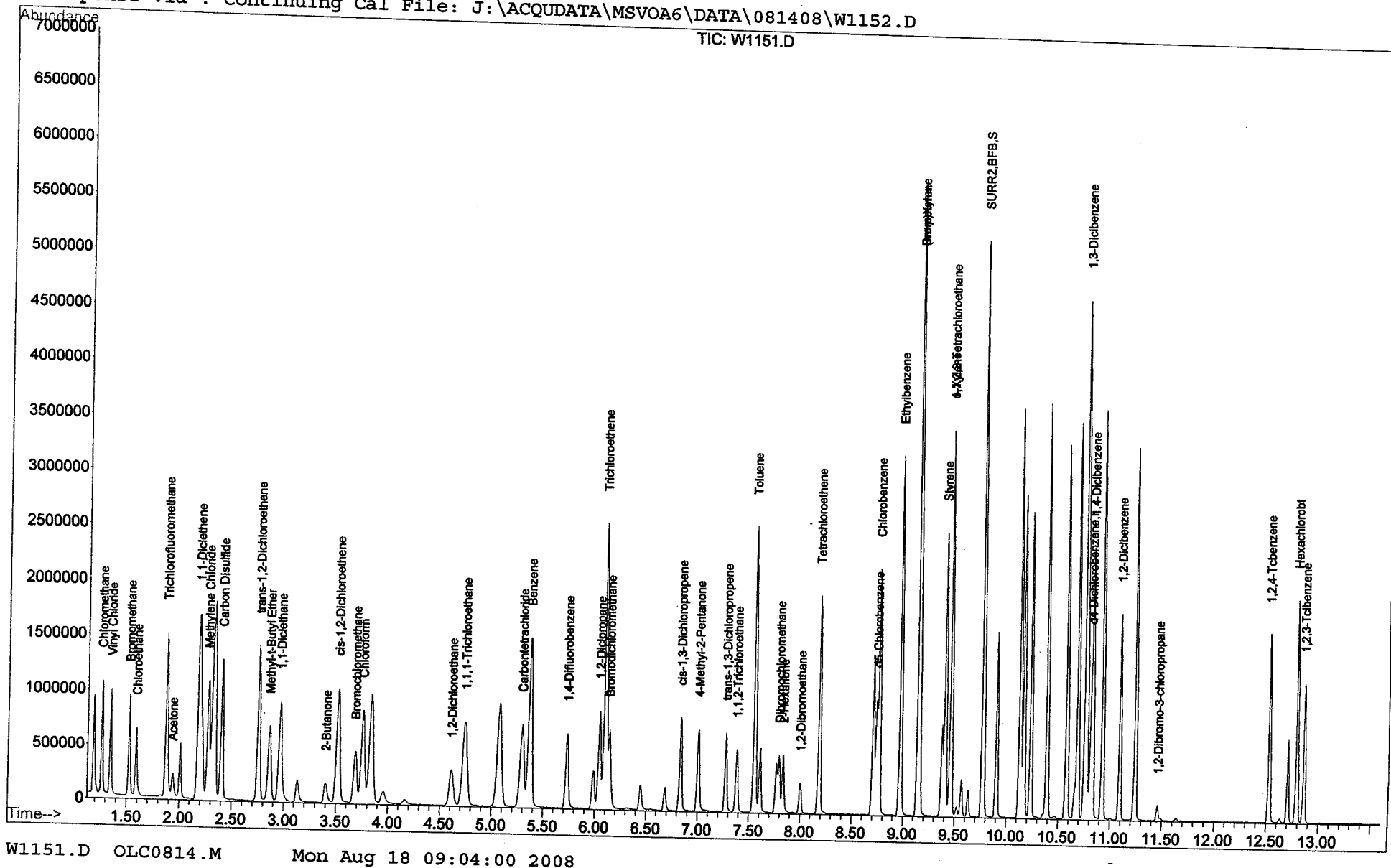
(#) = qualifier out of range (m) = manual integration
W1151.D OLC0814.M Mon Aug 18 09:03:56 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1151.D
Acq On : 14 Aug 2008 5:44 pm
Sample : VSTD010/050
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:04 2008

Vial: 16
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:01:18 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1153.D

Acq On : 14 Aug 2008 6:51 pm

Sample : VSTD025/125

Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:05 2008

Vial: 18

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:04:53 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	603270	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	468041	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	251714	5.00	ug/L	0.00

System Monitoring Compounds

19) SURRE2,BFB	9.77	174	1109217	25.39	ug/L	0.00
Spiked Amount	5.000					
			Recovery	=	507.80%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Chloromethane	1.26	50	1631838	25.14	ug/L	99
3) Vinyl Chloride	1.35	62	1559943	26.06	ug/L	96
4) Bromomethane	1.52	94	959226	25.88	ug/L	95
5) Chloroethane	1.59	64	902652	25.77	ug/L	95
6) Trichlorofluoromethane	1.88	101	2297162	26.53	ug/L	99
7) 1,1-Dicethene	2.18	96	1106745	25.55	ug/L	88
8) Acetone	1.94	43	495140	111.18	ug/L	94
9) Carbon Disulfide	2.41	76	3848081	24.95	ug/L	100
10) Methylene Chloride	2.28	84	969393	25.24	ug/L	96
11) trans-1,2-Dichloroethene	2.76	96	1259654	26.26	ug/L	90
12) Methyl-t-Butyl Ether	2.86	73	1657629	26.87	ug/L	99
13) 1,1-Dicethane	2.97	63	2250367	26.24	ug/L	99
14) cis-1,2-Dichloroethene	3.52	96	1222196	26.55	ug/L	93
15) 2-Butanone	3.40	43	703521	122.42	ug/L	99
16) Bromochloromethane	3.69	128	406465	27.70	ug/L	92
17) Chloroform	3.76	83	2073696	27.27	ug/L	95
18) 1,2-Dichloroethane	4.61	62	973864	25.73	ug/L	99
21) 1,1,1-Trichloroethane	4.74	97	2086716	28.45	ug/L	98
22) Carbontetrachloride	5.29	117	1649308	28.90	ug/L	96
23) Benzene	5.37	78	4116052	28.12	ug/L	98
24) Trichloroethene	6.10	95	1055094	27.73	ug/L	98
25) 1,2-Diclpropane	6.04	63	738889	27.81	ug/L	98
26) Bromodichloromethane	6.14	83	1062458	28.28	ug/L	100
27) cis-1,3-Dichloropropene	6.83	75	1082502	28.46	ug/L	98
28) 4-Methyl-2-Pentanone	7.00	43	1209480	140.16	ug/L	99
29) Toluene	7.56	91	3958525	27.67	ug/L	100
30) trans-1,3-Dichloropropene	7.28	75	823094	28.09	ug/L	98
31) 1,1,2-Trichloroethane	7.38	97	392020	27.73	ug/L	99
32) Tetrachloroethene	8.18	166	1321636	28.39	ug/L	97
33) 2-Hexanone	7.83	43	815579	134.19	ug/L	97
34) Dibromochloromethane	7.79	129	598814	28.54	ug/L	99
35) 1,2-Dibromoethane	8.00	107	384968	26.89	ug/L	99
36) Chlorobenzene	8.76	112	2468790	27.63	ug/L	99
37) Ethylbenzene	8.97	91	4689381	28.36	ug/L	99
38) (m+p)Xylene	9.15	106	3729166	58.19	ug/L	94
39) o-Xylene	9.46	106	1690874	28.80	ug/L	96
40) Styrene	9.41	104	2508940	28.71	ug/L	100
41) 1,1,2,2-Tetrachloroethane	9.45	83	381826	28.05	ug/L #	97
43) Bromoform	9.15	173	352192	27.90	ug/L	99
44) 1,3-Diclbenezene	10.77	146	2243128	26.90	ug/L	99
45) 1,4-Diclbenezene	10.83	146	2061292	25.82	ug/L	98
46) 1,2-Diclbenezene	11.10	146	1650620	25.22	ug/L	97

(#) = qualifier out of range (m) = manual integration
 W1153.D OLC0814.M Mon Aug 18 09:10:58 2008

08/18/08

PL

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1153.D
Acq On : 14 Aug 2008 6:51 pm
Sample : VSTD025/125
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:05 2008

Vial: 18
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:04:53 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
DataAcq Meth : OLC0814

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) 1,2-Dibromo-3-chloropropan	11.46	75	62295	23.62 ug/L	89
48) 1,2,4-Tcbenzene	12.53	180	1196316	26.58 ug/L	93
49) Hexachlorobt	12.79	225	866301	24.61 ug/L	99
50) 1,2,3-Tclbenzene	12.86	180	860447	25.01 ug/L	98

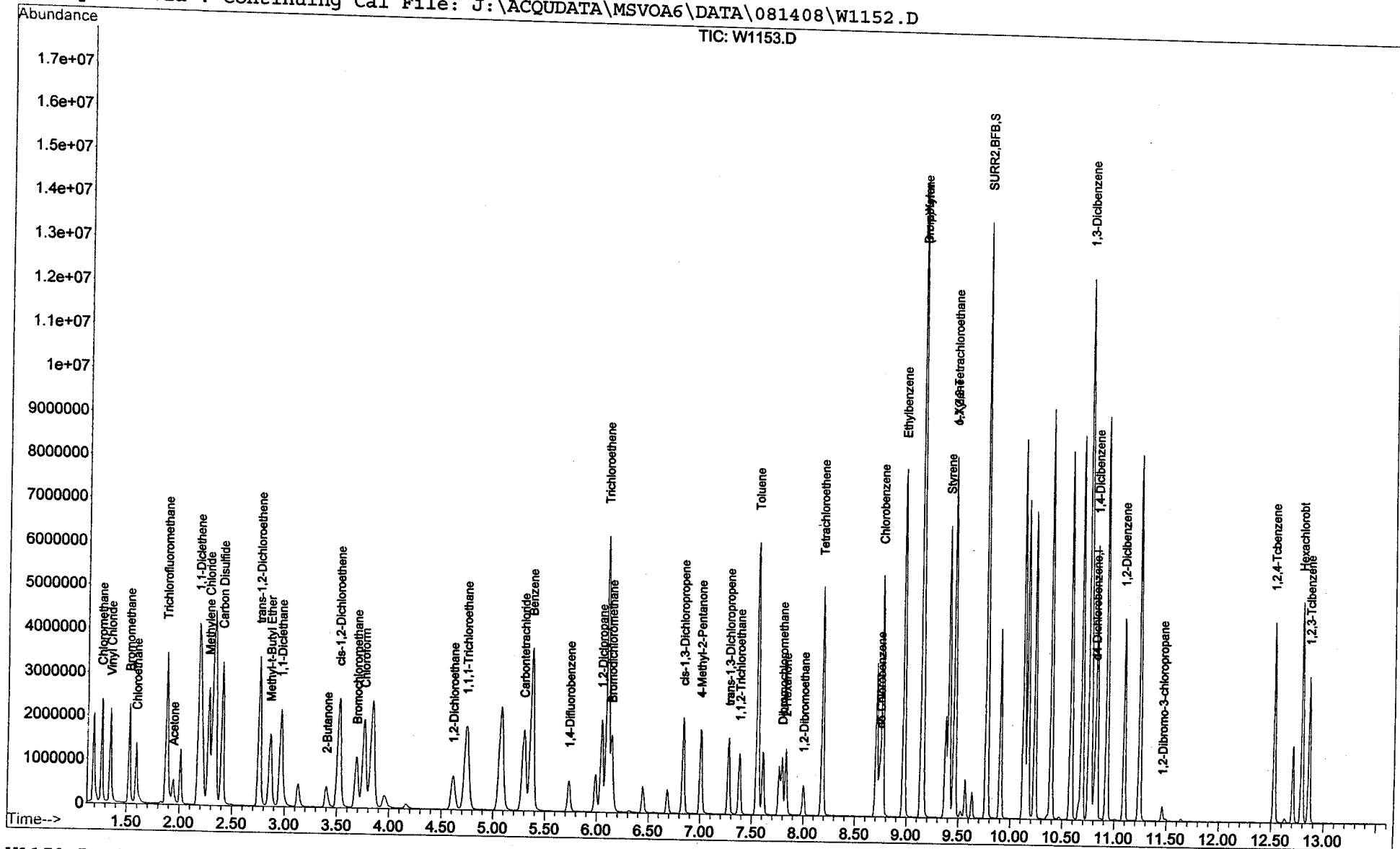
(#) = qualifier out of range (m) = manual integration
W1153.D OLC0814.M Mon Aug 18 09:10:59 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1153.D
Acq On : 14 Aug 2008 6:51 pm
Sample : VSTD025/125
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:05 2008

Vial: 18
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



W1153.D OLC0814.M

Mon Aug 18 09:11:02 2008

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Instrument ID: GCMS#6 Calibration Date: 8/14/08 Time: 18:19
 Lab File ID: W1152.D Init. Calib. Date(s): 8/14/08 8/14/08
 Heated Purge: (Y/N) N Init. Calib. Times: 15:42 18:51
 GC Column: DB-VRX ID: 0.18 (mm)

COMPOUND	RRF	RRF5	MIN RRF	% D	MAX % D
Chloromethane	0.573	0.538		6.2	
Vinyl Chloride	0.530	0.496	0.100	6.4	30.0
Bromomethane	0.330	0.307	0.100	6.9	30.0
Chloroethane	0.310	0.290		6.3	
Trichlorofluoromethane	0.785	0.718		8.6	
1,1-Dichloroethene	0.368	0.359	0.100	2.5	30.0
Acetone	0.041	0.037		9.6	
Carbon Disulfide	1.303	1.279		1.9	
Methylene Chloride	0.337	0.318		5.5	
trans-1,2-Dichloroethene	0.421	0.398		5.5	
1,1-Dichloroethane	0.751	0.711	0.200	5.3	30.0
cis-1,2-Dichloroethene	0.405	0.382		5.7	
2-Butanone	0.048	0.048		0.4	
Bromochloromethane	0.138	0.122	0.050	12.0	30.0
Chloroform	0.690	0.630	0.200	8.7	30.0
1,2-Dichloroethane	0.342	0.314	0.100	8.2	30.0
1,1,1-Trichloroethane	0.837	0.784	0.100	6.4	30.0
Carbon Tetrachloride	0.660	0.610	0.100	7.6	30.0
Benzene	1.663	1.564	0.400	6.0	30.0
Trichloroethene	0.430	0.406	0.300	5.4	30.0
1,2-Dichloropropane	0.313	0.284		9.4	
Bromodichloromethane	0.428	0.401	0.200	6.3	30.0
cis-1,3-Dichloropropene	0.427	0.406	0.200	4.8	30.0
4-Methyl-2-Pentanone	0.096	0.092		3.8	
Toluene	1.598	1.528	0.400	4.3	30.0
trans-1,3-Dichloropropene	0.328	0.313	0.100	4.6	30.0
1,1,2-Trichloroethane	0.162	0.151	0.100	6.5	30.0
Tetrachloroethene	0.532	0.497	0.100	6.5	30.0
2-Hexanone	0.063	0.065		-2.7	
Dibromochloromethane	0.240	0.224	0.100	6.7	30.0
1,2-Dibromoethane	0.163	0.153	0.100	5.9	30.0
Chlorobenzene	1.006	0.955	0.500	5.1	30.0
Ethylbenzene	1.851	1.766	0.100	4.6	30.0
(m+p) Xylene	0.723	0.685	0.300	5.3	30.0
o-Xylene	0.665	0.627	0.300	5.6	30.0
Styrene	0.971	0.934	0.300	3.8	30.0
1,1,2,2-Tetrachloroethane	0.157	0.145	0.100	7.3	30.0
Bromoform	0.268	0.251	0.050	6.5	30.0
1,3-Dichlorobenzene	1.755	1.656	0.400	5.6	30.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Instrument ID: GCMS#6 Calibration Date: 8/14/08 Time: 18:19
Lab File ID: W1152.D Init. Calib. Date(s): 8/14/08 8/14/08
Heated Purge: (Y/N) N Init. Calib. Times: 15:42 18:51
GC Column: DB-VRX ID: 0.18 (mm)

COMPOUND	RRF	RRF5	MIN RRF	% D	MAX % D
1,4-Dichlorobenzene	1.668	1.586	0.400	4.9	30.0
1,2-Dichlorobenzene	1.334	1.300	0.400	2.6	30.0
1,2-Dibromo-3-chloropropane	0.050	0.052		-5.0	
1,2,4-Trichlorobenzene	0.940	0.894		4.9	
Hexachlorobutadiene	0.671	0.699		-4.2	
1,2,3-Trichlorobenzene	0.696	0.683		1.9	
4-Bromofluorobenzene	0.348	0.362	0.200	-3.9	30.0

All other compounds must meet a minimum RRF of 0.010.

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
 Acq On : 14 Aug 2008 6:19 pm
 Sample : VSTD005/025
 Misc : OLC 2.1 ICAL GCMS#6
 MS Integration Params: CPD4.P
 Quant Time: Aug 18 8:58 2008

Vial: 17
 Operator: LIPANI
 Inst : MS#6
 Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 08:57:52 2008
 Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
 DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	578770	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	471240	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	235125	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	209570	5.00	ug/L	0.00
Spiked Amount	5.000					
			Recovery	=	100.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Chloromethane	1.26	50	311351	5.00	ug/L	100
3) Vinyl Chloride	1.35	62	287164	5.00	ug/L	100
4) Bromomethane	1.52	94	177795	5.00	ug/L	100
5) Chloroethane	1.59	64	168005	5.00	ug/L	100
6) Trichlorofluoromethane	1.88	101	415298	5.00	ug/L	100
7) 1,1-Dicethene	2.18	96	207776	5.00	ug/L	100
8) Acetone	1.94	43	106816	25.00	ug/L	100
9) Carbon Disulfide	2.41	76	739936	5.00	ug/L	100
10) Methylene Chloride	2.27	84	184246	5.00	ug/L	100
11) trans-1,2-Dichloroethene	2.76	96	230145	5.00	ug/L	100
12) Methyl-t-Butyl Ether	2.86	73	295946	5.00	ug/L	100
13) 1,1-Dicethane	2.96	63	411432	5.00	ug/L	100
14) cis-1,2-Dichloroethene	3.52	96	220852	5.00	ug/L	100
15) 2-Butanone	3.40	43	137840	25.00	ug/L	100
16) Bromochloromethane	3.69	128	70396	5.00	ug/L	100
17) Chloroform	3.76	83	364745	5.00	ug/L	100
18) 1,2-Dichloroethane	4.61	62	181586	5.00	ug/L	100
21) 1,1,1-Trichloroethane	4.74	97	369241	5.00	ug/L	100
22) Carbontetrachloride	5.29	117	287301	5.00	ug/L	100
23) Benzene	5.37	78	736824	5.00	ug/L	100
24) Trichloroethene	6.10	95	191525	5.00	ug/L	100
25) 1,2-Diclpropane	6.05	63	133741	5.00	ug/L	100
26) Bromodichloromethane	6.14	83	189138	5.00	ug/L	100
27) cis-1,3-Dichloropropene	6.84	75	191501	5.00	ug/L	100
28) 4-Methyl-2-Pentanone	7.01	43	217209	25.00	ug/L	100
29) Toluene	7.56	91	720225	5.00	ug/L	100
30) trans-1,3-Dichloropropene	7.28	75	147489	5.00	ug/L	100
31) 1,1,2-Trichloroethane	7.39	97	71171	5.00	ug/L	100
32) Tetrachloroethene	8.19	166	234355	5.00	ug/L	100
33) 2-Hexanone	7.84	43	152983	25.00	ug/L	100
34) Dibromochloromethane	7.79	129	105641	5.00	ug/L	100
35) 1,2-Dibromoethane	8.00	107	72073	5.00	ug/L	100
36) Chlorobenzene	8.77	112	449782	5.00	ug/L	100
37) Ethylbenzene	8.97	91	832352	5.00	ug/L	100
38) (m+p)Xylene	9.15	106	645261	10.00	ug/L	100
39) o-Xylene	9.46	106	295534	5.00	ug/L	100
40) Styrene	9.40	104	439986	5.00	ug/L	100
41) 1,1,2,2-Tetrachloroethane	9.45	83	68534	5.00	ug/L	100
43) Bromoform	9.14	173	58953	5.00	ug/L	100
44) 1,3-Diclbenezene	10.77	146	389459	5.00	ug/L	100
45) 1,4-Diclbenezene	10.83	146	372923	5.00	ug/L	100
46) 1,2-Diclbenezene	11.09	146	305672	5.00	ug/L	100

(#) = qualifier out of range (m) = manual integration
 W1152.D OLC0814.M Mon Aug 18 08:58:02 2008

08/18/08
 (52)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
Acq On : 14 Aug 2008 6:19 pm
Sample : VSTD005/025
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 18 8:58 2008

Vial: 17
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 08:57:52 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
DataAcq Meth : OLC0814

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2-Dibromo-3-chloropropan	11.45	75	12316	5.00	ug/L	100
48) 1,2,4-Tcbenzene	12.52	180	210210	5.00	ug/L	100
49) Hexachlorobt	12.79	225	164420	5.00	ug/L	100
50) 1,2,3-Tclbenzene	12.86	180	160675	5.00	ug/L	100

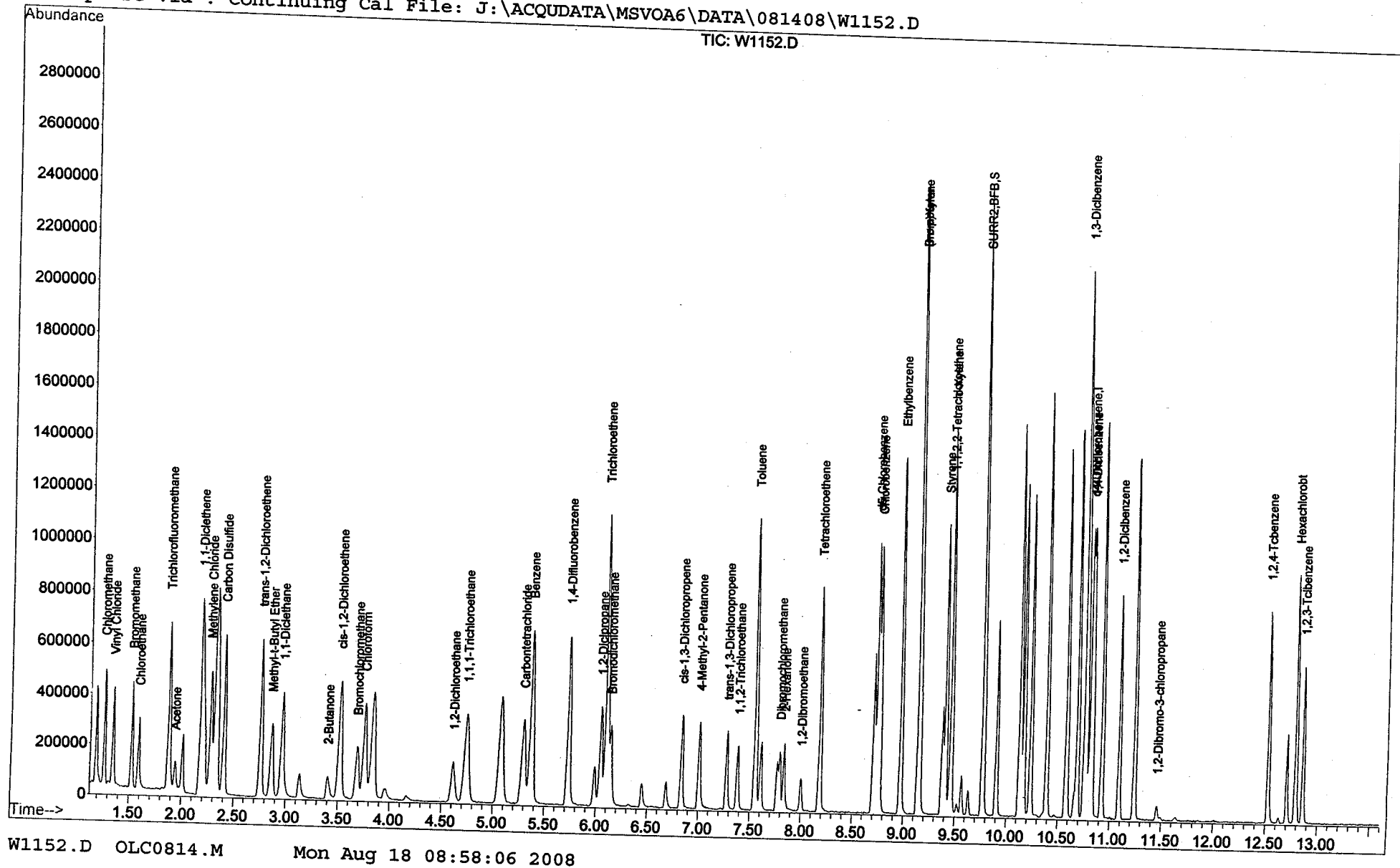
(#) = qualifier out of range (m) = manual integration
W1152.D OLC0814.M Mon Aug 18 08:58:03 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
Acq On : 14 Aug 2008 6:19 pm
Sample : VSTD005/025
Misc : OLC 2.1 ICAL GCMS#6
MS Integration Params: CPD4.P
Quant Time: Aug 18 8:58 2008

Vial: 17
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 08:57:52 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



VOLATILE ORGANICS

RAW QC DATA

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1146.D

Vial: 11

Acq On : 14 Aug 2008 2:28 pm

Operator: LIPANI

Sample : TUNE CHECK w T0814A8.U

Inst : MS#6

Misc : OLC 2.1

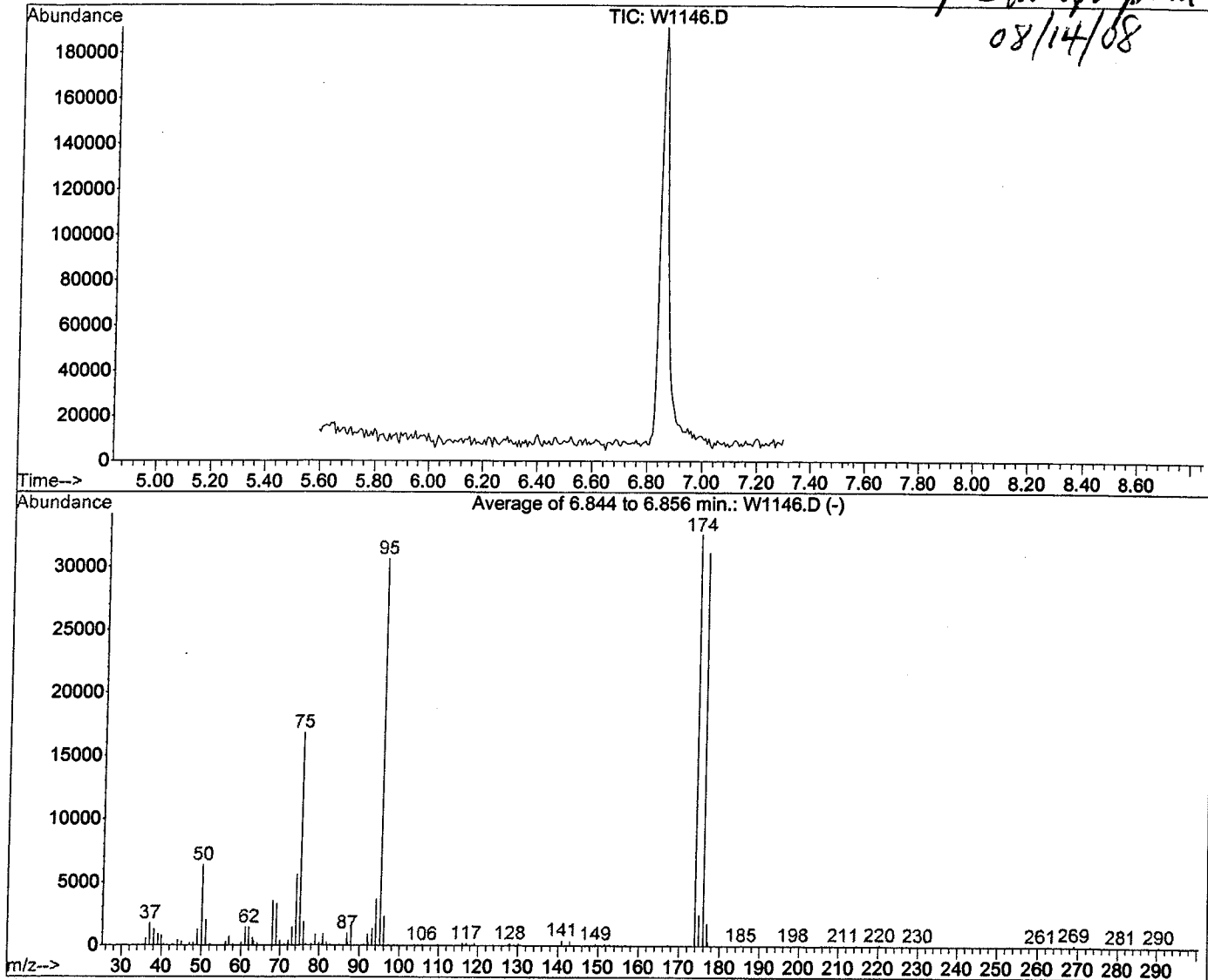
Multiplr: 1.00

MS Integration Params: CPD4.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

David Lipani
08/14/08



AutoFind: Scans 206, 207, 208; Background Corrected with Scan 200

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.8	6370	PASS
75	95	30	66	54.9	16813	PASS
95	95	100	100	100.0	30640	PASS
96	95	5	9	7.5	2304	PASS
173	174	0.00	2	0.2	49	PASS
174	95	50	120	106.4	32592	PASS
175	174	4	9	7.5	2451	PASS
176	174	93	101	95.6	31155	PASS
177	176	5	9	5.7	1763	PASS

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1157.D

Vial: 20

Acq On : 14 Aug 2008 9:00 pm

Operator: LIPANI

Sample : VBLK

Inst : MS#6

Misc : VBLK

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:14 2008

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	608870	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	501668	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	233714	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	215898	4.90	ug/L	0.00
Spiked Amount	5.000		Recovery	=	98.00%	

Target Compounds

8) Acetone	1.95	43	9979	2.22	ug/L	Qvalue 92 J
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DL
8/18/08

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

W1157.D OLC0814.M Mon Aug 18 09:14:08 2008

Page 1

00114

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1157.D

Acq On : 14 Aug 2008 9:00 pm

Sample : VBLK

Misc : VBLK

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:14 2008

Vial: 20

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

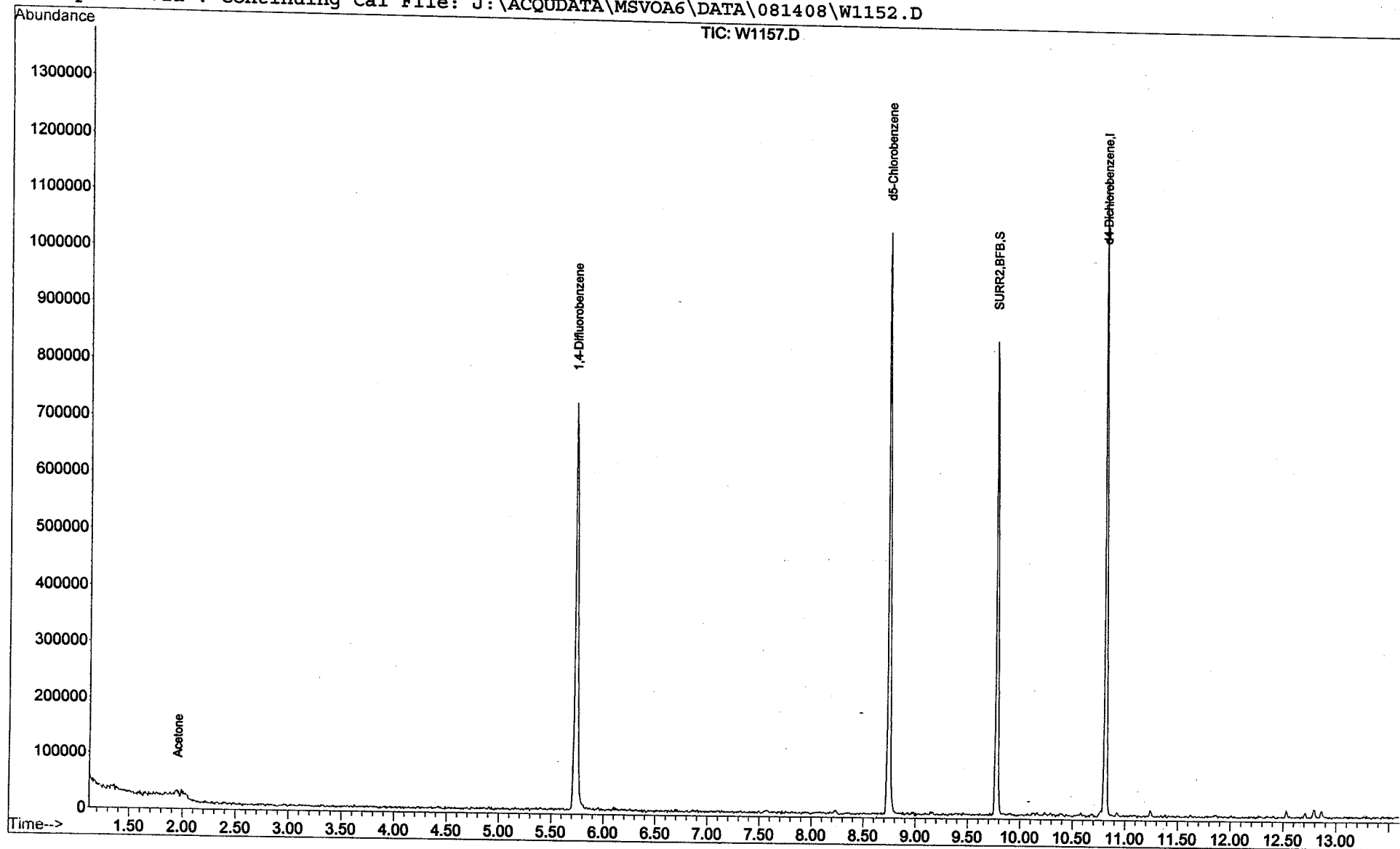
Quant Results File: OLC0814.RES

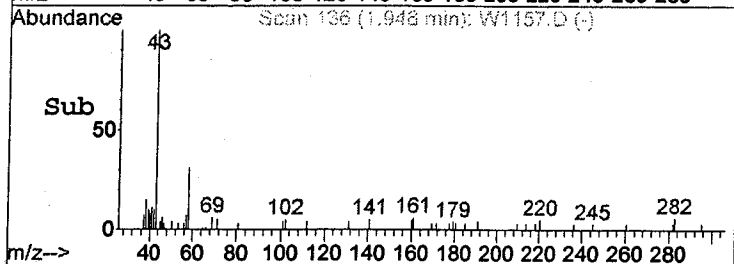
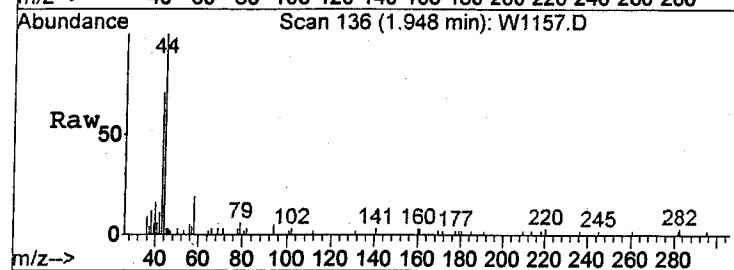
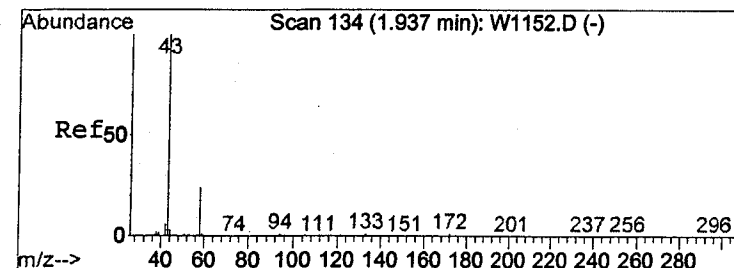
Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D





#8

Acetone

Concen: 2.22 ug/L

RT: 1.95 min Scan# 136

Delta R.T. 0.01 min

Lab File: W1157.D

Acq: 14 Aug 2008 9:00 pm

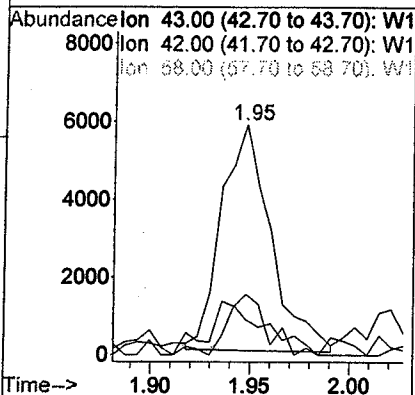
Tgt Ion: 43 Resp: 9979

Ion Ratio Lower Upper

43 100

42 15.5 0.0 36.8

58 26.5 0.0 54.7



LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1157.D Vial: 20
Acq On : 14 Aug 2008 9:00 pm Operator: LIPANI
Sample : VBLK Inst : MS#6
Misc : VBLK Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

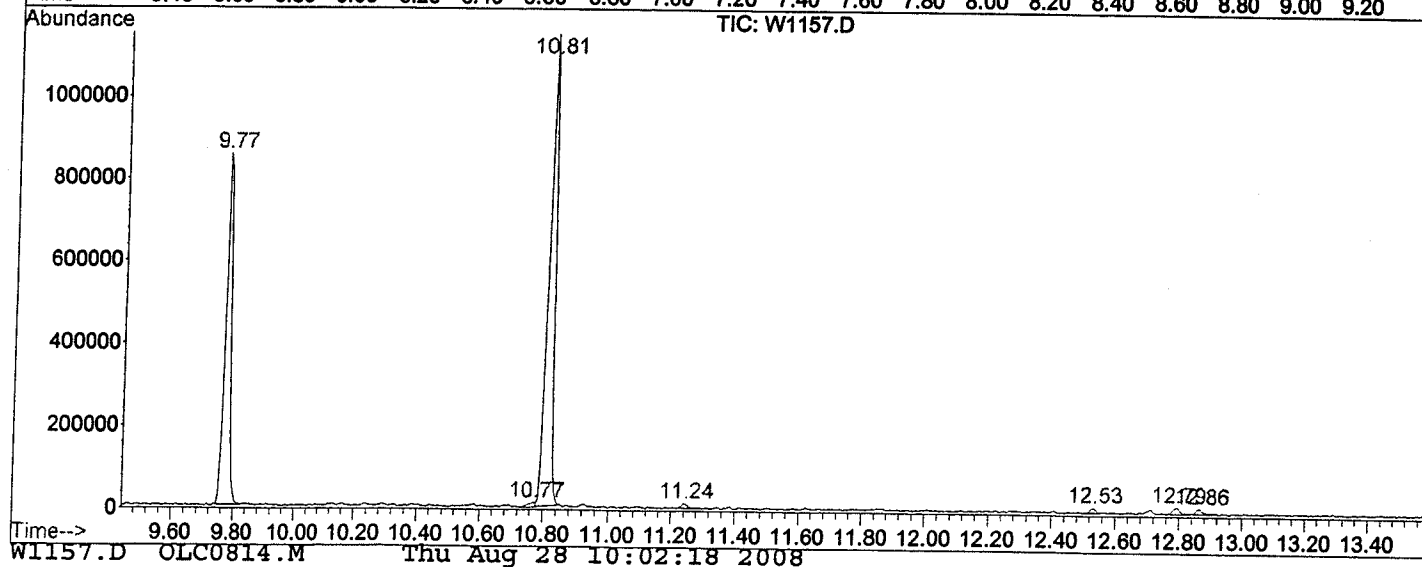
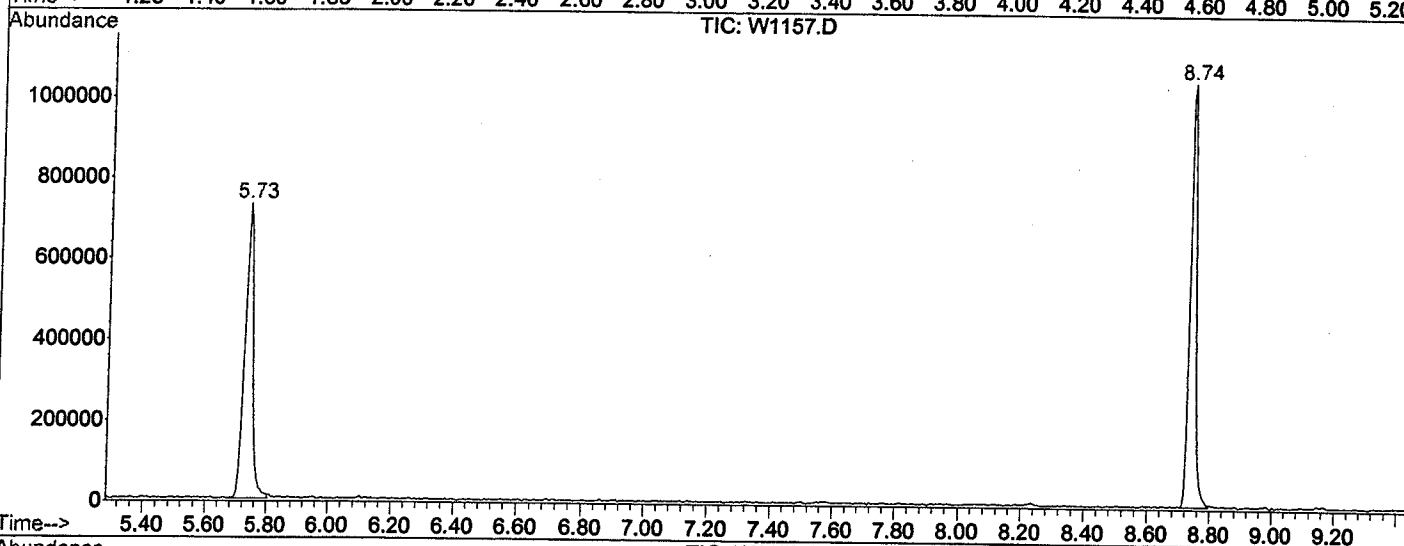
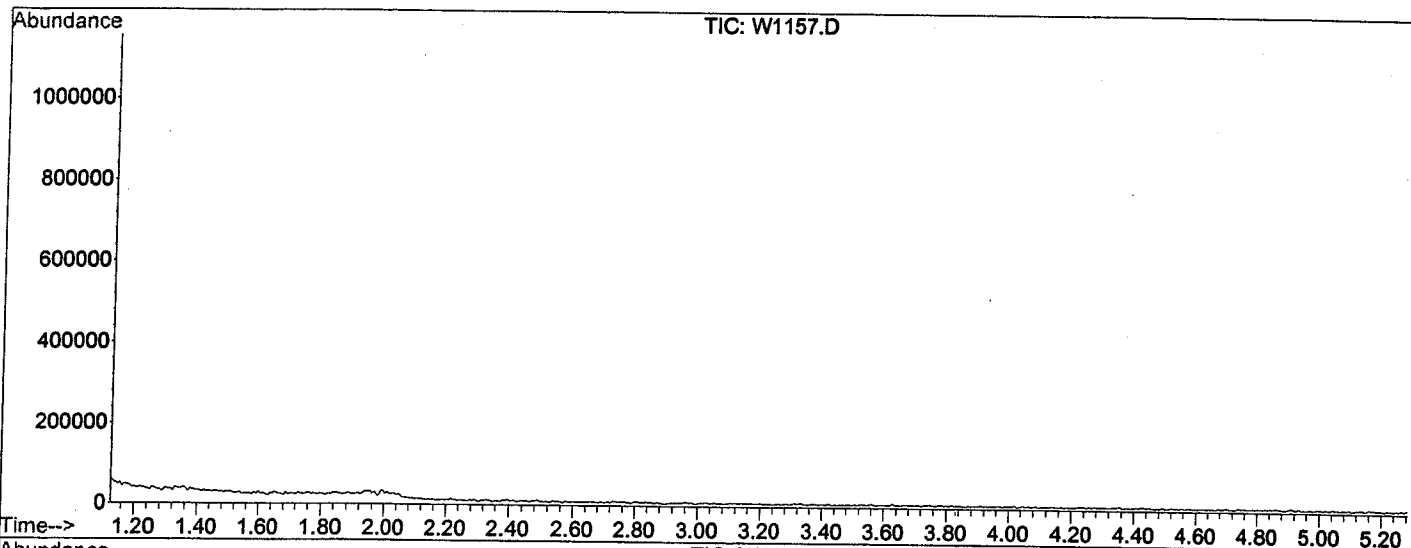
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.731	748	758	770	rBV	728577	1380981	93.40%	25.241%
2	8.741	1247	1253	1262	rBV	1045459	1478532	100.00%	27.024%
3	9.769	1418	1422	1431	rBV	851060	1121497	75.85%	20.498%
4	10.772	1580	1587	1588	rBV5	11337	18706	1.27%	0.342%
5	10.808	1588	1593	1599	rVB	1145579	1394149	94.29%	25.482%
6	11.240	1660	1664	1670	rVB3	12183	16381	1.11%	0.299%
7	12.530	1873	1876	1880	rBV2	13239	15246	1.03%	0.279%
8	12.791	1913	1919	1925	rBV5	15952	27917	1.89%	0.510%
9	12.864	1927	1931	1938	rVB4	12071	17789	1.20%	0.325%

Sum of corrected areas: 5471198

W1157.D OLC0814.M Thu Aug 28 10:02:15 2008

LSC Report - Integrated Chromatogram

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1157.D
 Operator : LIPANI
 Acquired : 14 Aug 2008 9:00 pm using AcqMethod OLC0814
 Instrument : MS#6
 Sample Name: VBLK
 Misc Info : VBLK
 Vial Number: 20
 Quant File :OLC0814.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: LIPANI Date Acquired: 14 Aug 2008 9:00 pm
Data File: J:\ACQUDATA\MSVOA6\DATA\081408\W1157.D
Name: VBLK
Misc: VBLK
Method: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title: OLC 2.1 WATERS
Library Searched: J:\ACQUDATA\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
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W1157.D OLC0814.M	Thu Aug 28 10:02:18 2008							
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VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129970 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1155.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	6	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	25	
75-15-0	Carbon Disulfide	23	
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	25	
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	27	
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	25	
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1129970 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1155.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 8/14/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1155.D

Vial: 19

Acq On : 14 Aug 2008 7:52 pm

Operator: LIPANI

Sample : ICV/LCS

Inst : MS#6

Misc : OLC 2.1

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:14 2008

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	605296	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	485757	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.80	152	244433	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	222591	5.08	ug/L	0.00
Spiked Amount	5.000		Recovery	=	101.60%	

Target Compounds

					Qvalue
2) Chloromethane	1.26	50	321591	4.94	ug/L 98
3) Vinyl Chloride	1.35	62	289861	4.83	ug/L 95
4) Bromomethane	1.52	94	207330	5.58	ug/L 96
5) Chloroethane	1.59	64	166428	4.74	ug/L 94
6) Trichlorofluoromethane	1.88	101	427576	4.92	ug/L 99
7) 1,1-Dicethene	2.18	96	215884	4.97	ug/L 96
8) Acetone	1.94	43	111273	24.90	ug/L 98
9) Carbon Disulfide	2.41	76	3628348	23.44	ug/L 100
10) Methylene Chloride	2.28	84	187934	4.88	ug/L 98
11) trans-1,2-Dichloroethene	2.76	96	228380	4.74	ug/L 91
12) Methyl-t-Butyl Ether	2.86	73	317538	5.13	ug/L 98
13) 1,1-Dicethane	2.97	63	421611	4.90	ug/L 98
14) cis-1,2-Dichloroethene	3.53	96	234308	5.07	ug/L 93
15) 2-Butanone	3.40	43	144093	24.99	ug/L 99
16) Bromochloromethane	3.69	128	77465	5.26	ug/L 93
17) Chloroform	3.76	83	414990	5.44	ug/L 95
18) 1,2-Dichloroethane	4.62	62	197295	5.19	ug/L 99
21) 1,1,1-Trichloroethane	4.75	97	390933	5.14	ug/L 99
22) Carbontetrachloride	5.29	117	296622	5.01	ug/L 97
23) Benzene	5.37	78	772341	5.08	ug/L 98
24) Trichloroethene	6.10	95	210451	5.33	ug/L 99
25) 1,2-Diclpropane	6.04	63	146465	5.31	ug/L 98
26) Bromodichloromethane	6.14	83	201157	5.16	ug/L 100
27) cis-1,3-Dichloropropene	6.84	75	212752	5.39	ug/L 98
28) 4-Methyl-2-Pentanone	7.01	43	237899	26.56	ug/L 99
29) Toluene	7.56	91	761592	5.13	ug/L 99
30) trans-1,3-Dichloropropene	7.28	75	150868	4.96	ug/L 97
31) 1,1,2-Trichloroethane	7.39	97	76344	5.20	ug/L 98
32) Tetrachloroethene	8.18	166	254664	5.27	ug/L 96
33) 2-Hexanone	7.84	43	157404	24.95	ug/L 99
34) Dibromochloromethane	7.79	129	114602	5.26	ug/L 99
35) 1,2-Dibromoethane	8.00	107	73845	4.97	ug/L # 99
36) Chlorobenzene	8.77	112	476231	5.14	ug/L 99
37) Ethylbenzene	8.97	91	902518	5.26	ug/L 98
38) (m+p)Xylene	9.15	106	703932	10.58	ug/L 98
39) o-Xylene	9.46	106	322624	5.30	ug/L 96
40) Styrene	9.41	104	471749	5.20	ug/L 96
41) 1,1,2,2-Tetrachloroethane	9.45	83	71199	5.04	ug/L 97
43) Bromoform	9.15	173	64134	5.23	ug/L 99
44) 1,3-Diclbenezene	10.77	146	418497	5.17	ug/L 99
45) 1,4-Diclbenezene	10.83	146	395395	5.10	ug/L 97
46) 1,2-Diclbenezene	11.09	146	319767	5.03	ug/L 99

set up at
25 ppb

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

W1155.D OLC0814.M

Mon Aug 18 09:13:47 2008

Page 1

66122

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1155.D
Acq On : 14 Aug 2008 7:52 pm
Sample : ICV/LCS
Misc : OLC 2.1
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:14 2008

Vial: 19
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
DataAcq Meth : OLC0814

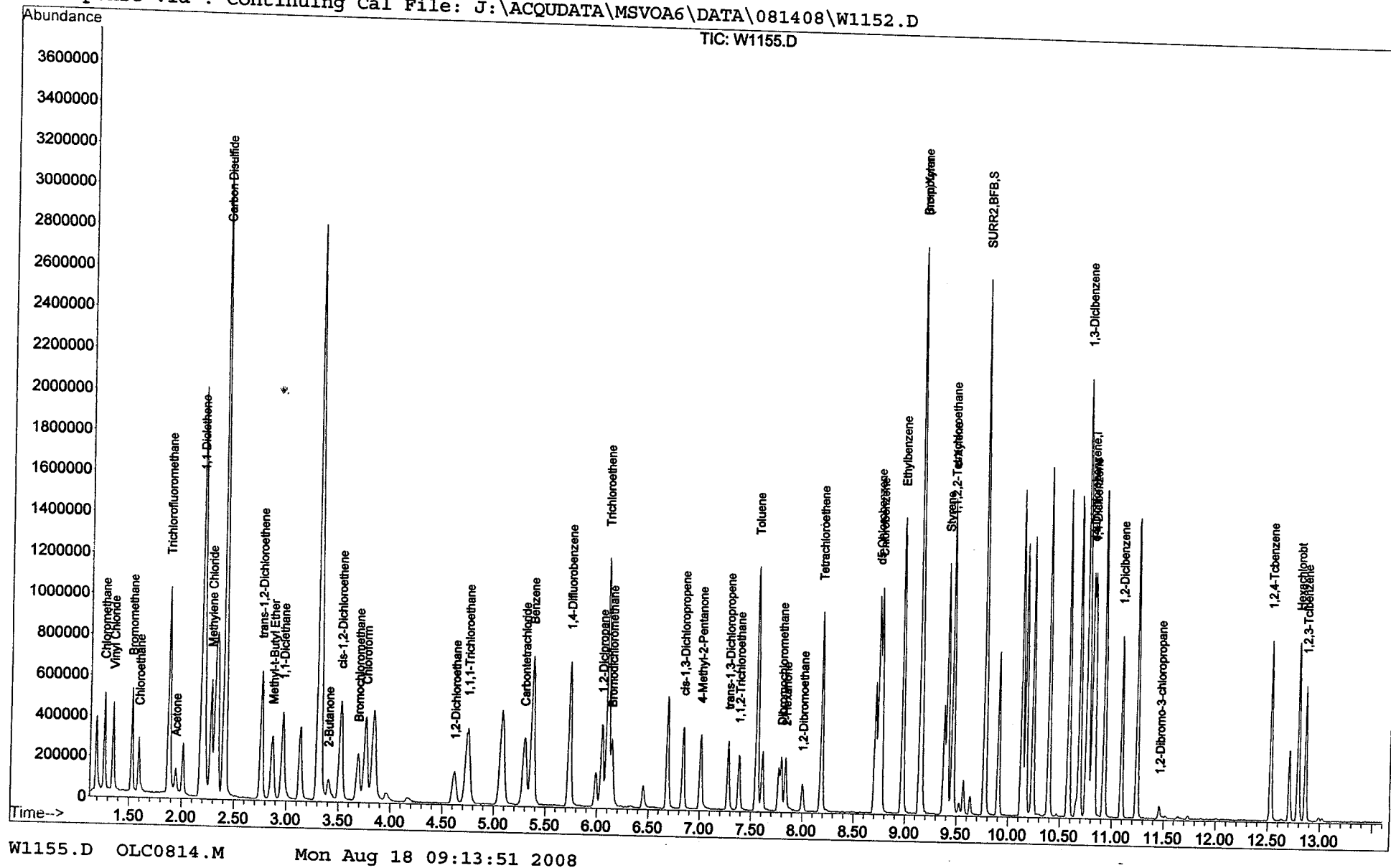
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2-Dibromo-3-chloropropan	11.46	75	11494	4.49	ug/L	91
48) 1,2,4-Tcbenzene	12.53	180	223742	5.12	ug/L	95
49) Hexachlorobt	12.79	225	154014	4.51	ug/L	98
50) 1,2,3-Tclbenzene	12.86	180	169512	5.07	ug/L	97

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1155.D
Acq On : 14 Aug 2008 7:52 pm
Sample : ICV/LCS
Misc : OLC 2.1
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:14 2008

Vial: 19
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS
Last Update : Mon Aug 18 09:06:03 2008
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH

Contract: IT Latham

Lab Code: 10145

Case No.: R8-45271

SAS No.:

SDG No.: Influent

Matrix: (soil/water) WATER

Lab Sample ID: 1129971 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W1161.D

Level: (low/med) LOW

Date Received: 8/8/08

% Moisture: not dec.

Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	6	
67-66-3	Chloroform	11	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	43	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	60	E
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	6	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	6	
75-25-2	Bromoform	6	
541-73-1	1,3-Dichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1129971 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1161.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1161.D Vial: 24
 Acq On : 14 Aug 2008 11:22 pm Operator: LIPANI
 Sample : 1124913 1.0 MS 1129971 Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 18 9:15 2008 Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D
 DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	604759	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	491691	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.81	152	252568	5.00	ug/L	0.00

System Monitoring Compounds
 19) SURR2,BFB 9.77 174 225585 5.15 ug/L 0.00
 Spiked Amount 5.000 Recovery = 103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Chloromethane	1.26	50	317474	4.88	ug/L	96
3) Vinyl Chloride	1.34	62	310469	5.17	ug/L	94
4) Bromomethane	1.53	94	168786	4.54	ug/L	95
5) Chloroethane	1.59	64	169428	4.83	ug/L	87
6) Trichlorofluoromethane	1.88	101	440110	5.07	ug/L	98
7) 1,1-Dicethene	2.18	96	218670	5.04	ug/L	94
8) Acetone	1.94	43	4055	0.91	ug/L	63
10) Methylene Chloride	2.27	84	195333	5.07	ug/L	92
11) trans-1,2-Dichloroethene	2.76	96	241531	5.02	ug/L	95
12) Methyl-t-Butyl Ether	2.87	73	334190	5.40	ug/L #	95
13) 1,1-Dicethane	2.96	63	436391	5.08	ug/L	99
14) cis-1,2-Dichloroethene	3.52	96	234867	5.09	ug/L	97
16) Bromochloromethane	3.68	128	81681	5.55	ug/L	92
17) Chloroform	3.76	83	816987	10.72	ug/L	92
18) 1,2-Dichloroethane	4.61	62	197388	5.20	ug/L	100
21) 1,1,1-Trichloroethane	4.74	97	406063	5.27	ug/L	97
22) Carbontetrachloride	5.30	117	2562892	42.75	ug/L	95 E
23) Benzene	5.37	78	812268	5.28	ug/L	97
24) Trichloroethene	6.10	95	2389007	59.77	ug/L	99 E
25) 1,2-Diclpropane	6.04	63	148187	5.31	ug/L #	96
26) Bromodichloromethane	6.14	83	238989	6.06	ug/L	99 5.48m
27) cis-1,3-Dichloropropene	6.83	75	202477	5.07	ug/L	97
29) Toluene	7.55	91	770585	5.13	ug/L	100
30) trans-1,3-Dichloropropene	7.28	75	153786	5.00	ug/L	96
31) 1,1,2-Trichloroethane	7.38	97	77901	5.25	ug/L	95
32) Tetrachloroethene	8.18	166	255133	5.22	ug/L	97
34) Dibromochloromethane	7.79	129	122410	5.55	ug/L	100
35) 1,2-Dibromoethane	8.00	107	77444	5.15	ug/L	98
36) Chlorobenzene	8.76	112	494831	5.27	ug/L	98
37) Ethylbenzene	8.97	91	912093	5.25	ug/L	99
38) (m+p)Xylene	9.15	106	710054	10.55	ug/L	97
39) o-Xylene	9.46	106	319782	5.19	ug/L	98
40) Styrene	9.41	104	470866	5.13	ug/L	99
41) 1,1,2,2-Tetrachloroethane	9.45	83	80553	5.63	ug/L	99
43) Bromoform	9.15	173	72541	5.73	ug/L	98
44) 1,3-Diclbenezene	10.77	146	420806	5.03	ug/L	99
45) 1,4-Diclbenezene	10.83	146	405174	5.06	ug/L	98
46) 1,2-Diclbenezene	11.09	146	319174	4.86	ug/L	96
47) 1,2-Dibromo-3-chloropropan	11.46	75	12785	4.83	ug/L	89
48) 1,2,4-Tcbenezene	12.53	180	231999	5.14	ug/L	94
49) Hexachlorobt	12.79	225	143321	4.06	ug/L	96
50) 1,2,3-Tclbenzene	12.86	180	164658	4.77	ug/L	98

(#) = qualifier out of range (m) = manual integration
 W1161.D OLC0814.M Mon Aug 18 09:14:48 2008

8/28/08

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1161.D
Acq On : 14 Aug 2008 11:22 pm
Sample : 1124913 1.0 MS
Misc : IT-Latham R8-43894 OLC2.1LL
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:15 2008

Vial: 24
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

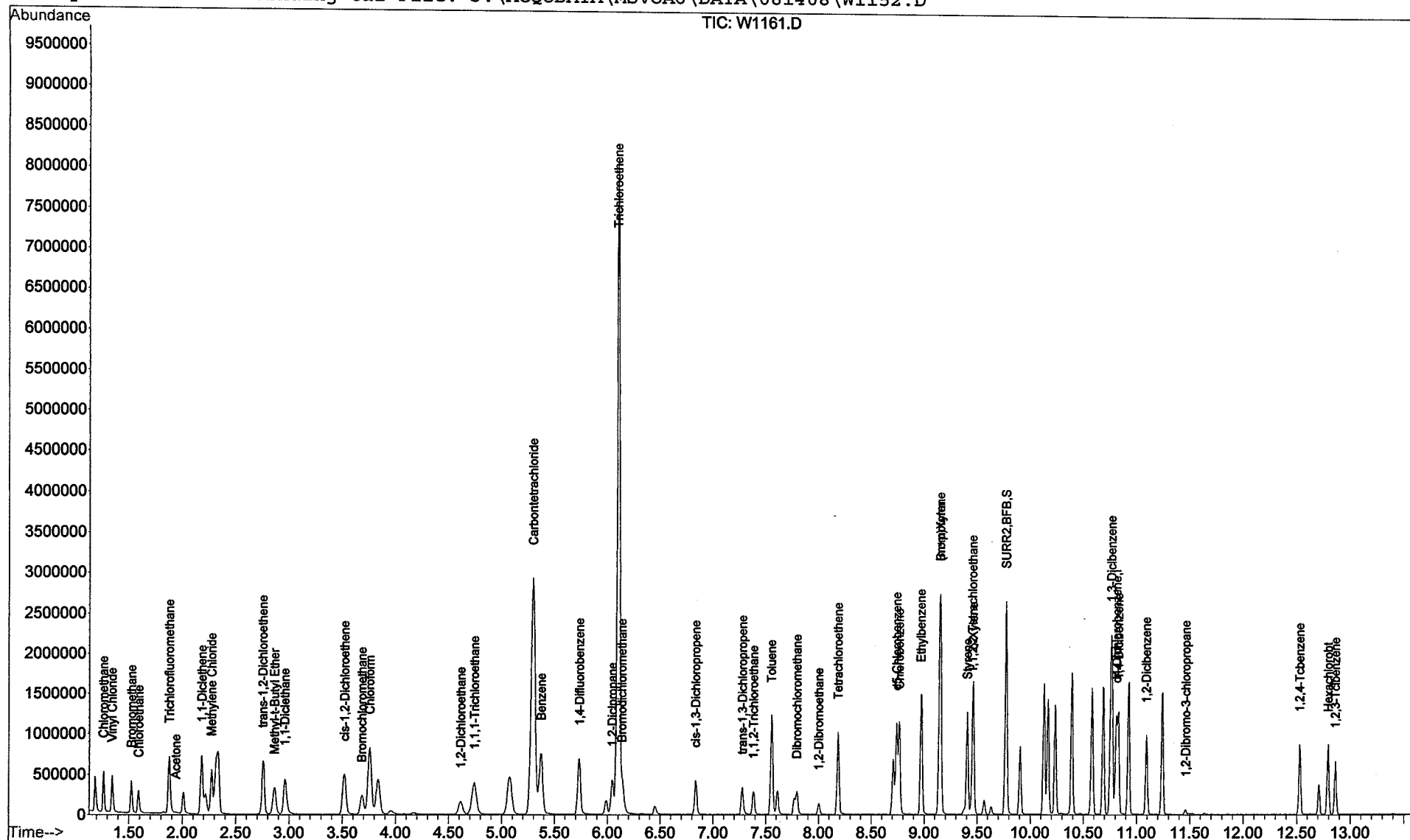
Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

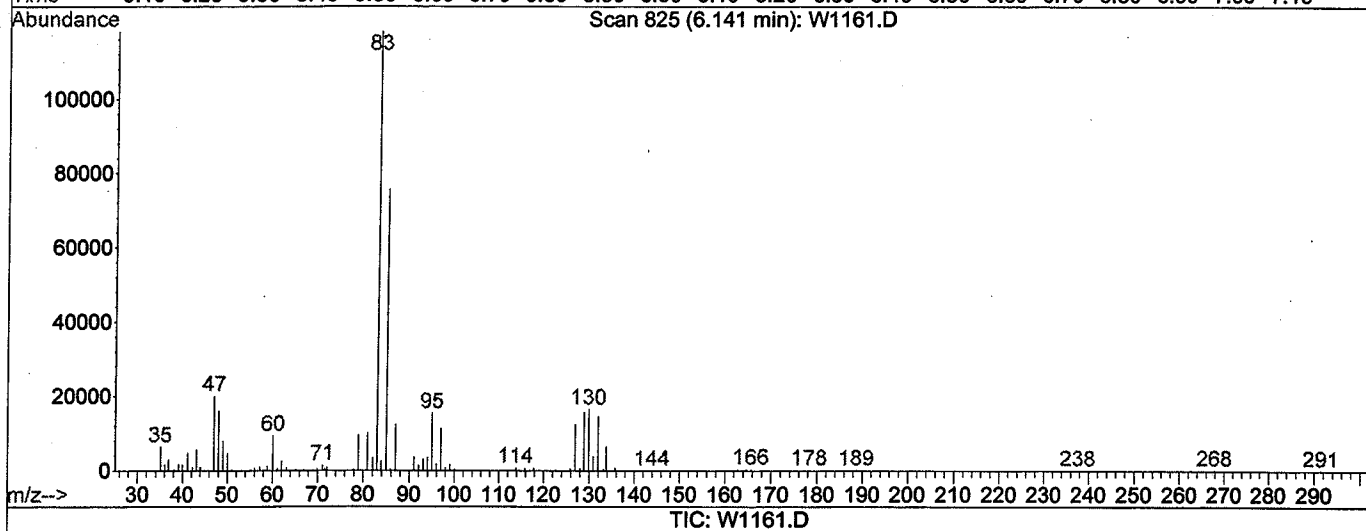
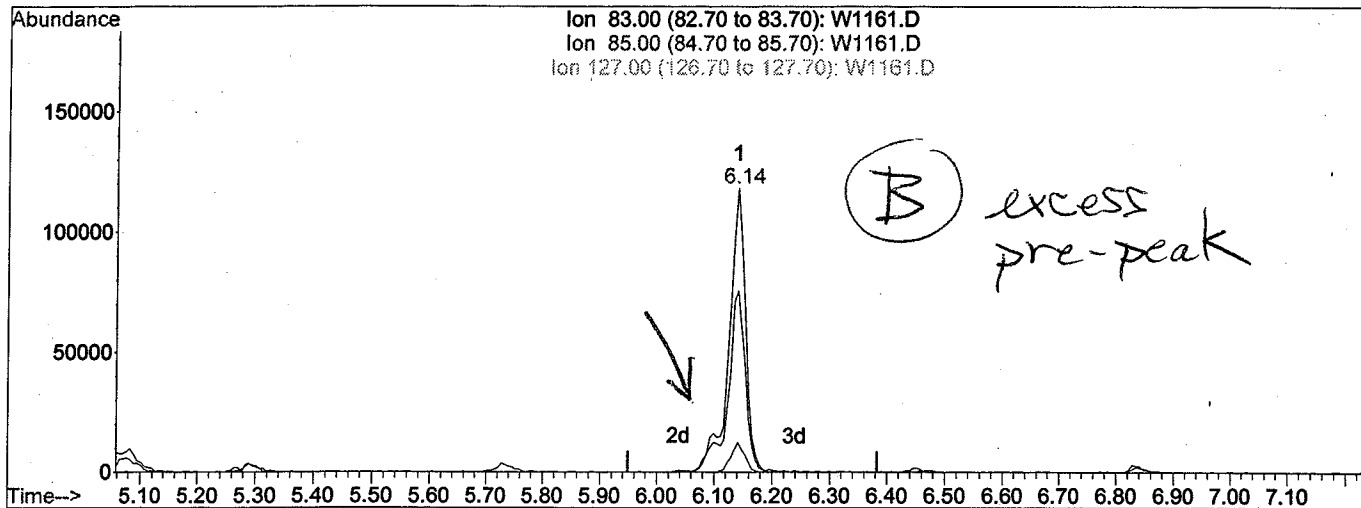
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



Quantitation Report (Qedit)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1161.D Vial: 24
 Acq On : 14 Aug 2008 11:22 pm Operator: LIPANI
 Sample : 1124913 1.0 MS Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 18 9:15 2008 Quant Results File: temp.res

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Single Level Calibration



(26) Bromodichloromethane

6.14min 6.06ug/L

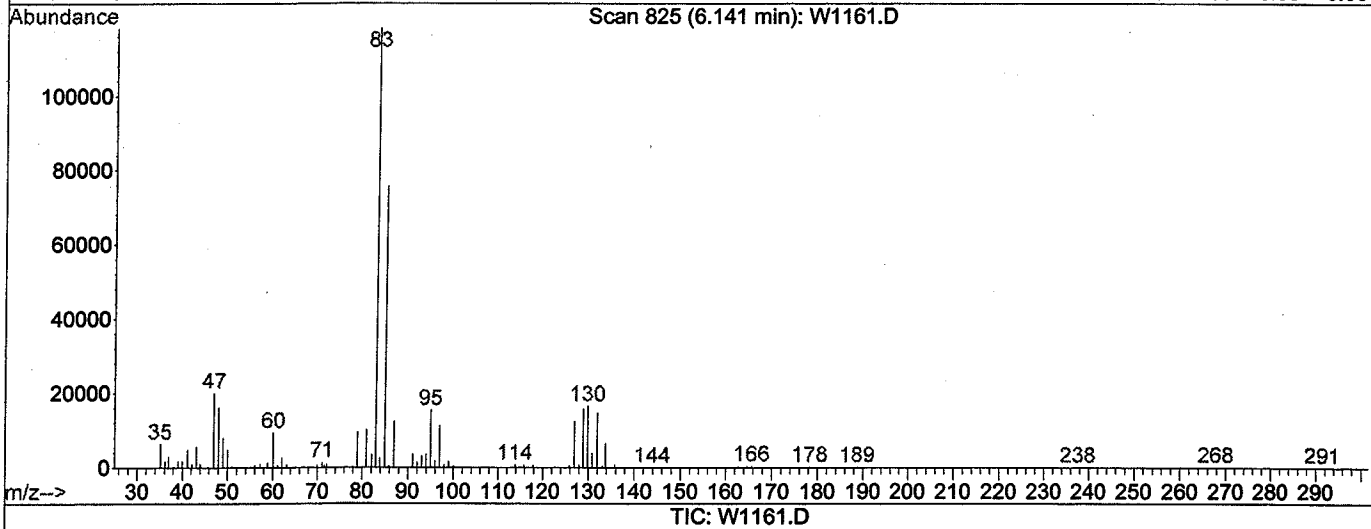
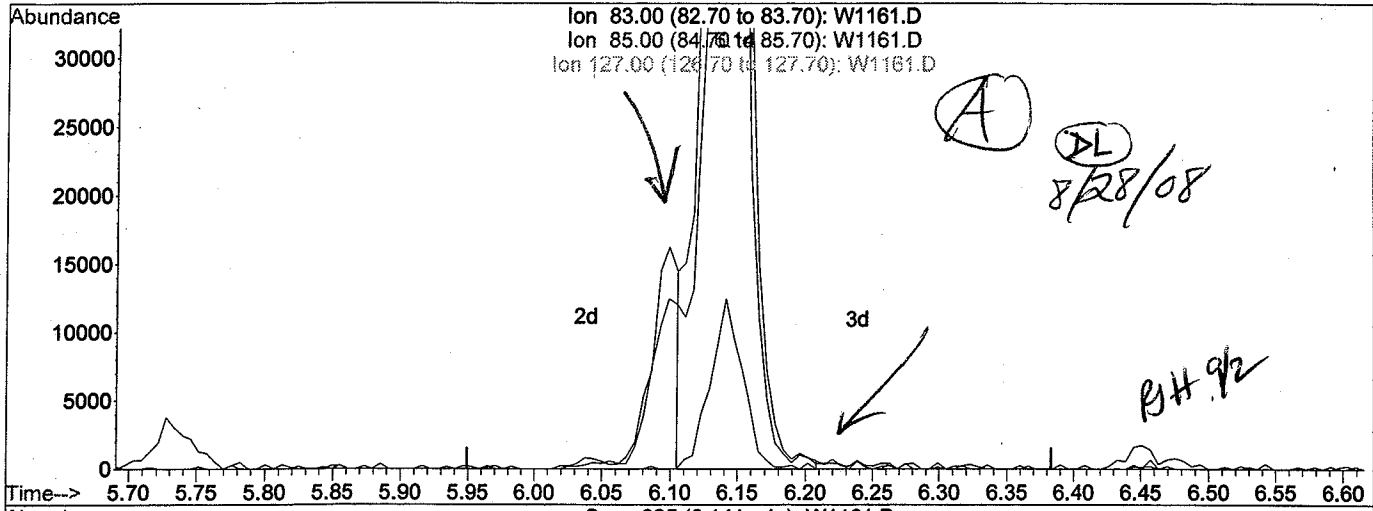
response 238989

Ion	Exp%	Act%
83.00	100	100
85.00	66.00	67.07
127.00	8.40	8.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1161.D Vial: 24
 Acq On : 14 Aug 2008 11:22 pm Operator: LIPANI
 Sample : 1124913 1.0 MS Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 28 10:58 2008 Quant Results File: temp.res

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Single Level Calibration



(26) Bromodichloromethane

6.14min 5.48ug/L m

response 216191

Ion	Exp%	Act%
83.00	100	100
85.00	66.00	74.15
127.00	8.40	9.62
0.00	0.00	0.00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129972 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1162.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	6	
67-66-3	Chloroform	11	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	42	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	60	E
78-87-5	1,2-Dichloropropane	6	
75-27-4	Bromodichloromethane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	6	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	6	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	6	
541-73-1	1,3-Dichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129972 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1162.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1162.D

Vial: 25

Acq On : 14 Aug 2008 11:58 pm

Operator: LIPANI

Sample : 1124913 1.0 MSD

Inst : MS#6

Misc : IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:15 2008

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D

DataAcq Meth : OLC0814

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.73	114	610568	5.00	ug/L	0.00
20) d5-Chlorobenzene	8.74	117	497567	5.00	ug/L	0.00
42) d4-Dichlorobenzene	10.80	152	255808	5.00	ug/L	0.00

System Monitoring Compounds

19) SURR2,BFB	9.77	174	230540	5.21	ug/L	0.00
Spiked Amount	5.000		Recovery	=	104.20%	

Target Compounds

					Qvalue
2) Chloromethane	1.26	50	321048	4.89	ug/L 95
3) Vinyl Chloride	1.35	62	311798	5.15	ug/L 93
4) Bromomethane	1.52	94	173721	4.63	ug/L 97
5) Chloroethane	1.59	64	179847	5.07	ug/L 97
6) Trichlorofluoromethane	1.88	101	447135	5.10	ug/L 98
7) 1,1-Dicethene	2.18	96	224756	5.13	ug/L 93
8) Acetone	1.95	43	4255	0.94	ug/L 70
10) Methylene Chloride	2.27	84	200735	5.16	ug/L 95
11) trans-1,2-Dichloroethene	2.76	96	248511	5.12	ug/L 89
12) Methyl-t-Butyl Ether	2.86	73	339108	5.43	ug/L 98
13) 1,1-Dicethene	2.97	63	454914	5.24	ug/L 98
14) cis-1,2-Dichloroethene	3.51	96	242384	5.20	ug/L 94
16) Bromochloromethane	3.69	128	84991	5.72	ug/L 88
17) Chloroform	3.76	83	821647	10.68	ug/L 92
18) 1,2-Dichloroethane	4.61	62	196628	5.13	ug/L 94
21) 1,1,1-Trichloroethane	4.74	97	411494	5.28	ug/L 96
22) Carbontetrachloride	5.29	117	2578675	42.50	ug/L 95
23) Benzene	5.37	78	823713	5.29	ug/L 96
24) Trichloroethene	6.10	95	2417069	59.76	ug/L 99
25) 1,2-Diclpropane	6.05	63	154216	5.46	ug/L 99
26) Bromodichloromethane	6.14	83	239725	6.00	ug/L 92 5.46m
27) cis-1,3-Dichloropropene	6.83	75	207228	5.12	ug/L 99
29) Toluene	7.56	91	795281	5.23	ug/L 99
30) trans-1,3-Dichloropropene	7.28	75	157109	5.04	ug/L 97
31) 1,1,2-Trichloroethane	7.38	97	87488	5.82	ug/L 95
32) Tetrachloroethene	8.18	166	259580	5.25	ug/L 97
34) Dibromochloromethane	7.79	129	129433	5.80	ug/L 99
35) 1,2-Dibromoethane	8.00	107	79251	5.21	ug/L 96
36) Chlorobenzene	8.76	112	501841	5.28	ug/L 99
37) Ethylbenzene	8.97	91	928786	5.28	ug/L 100
38) (m+p) Xylene	9.15	106	715111	10.50	ug/L 98
39) o-Xylene	9.46	106	335052	5.37	ug/L 97
40) Styrene	9.41	104	475639	5.12	ug/L 99
41) 1,1,2,2-Tetrachloroethane	9.45	83	77388	5.35	ug/L 95
43) Bromoform	9.14	173	70907	5.53	ug/L 99
44) 1,3-Diclbenezene	10.77	146	432394	5.10	ug/L 97
45) 1,4-Diclbenezene	10.83	146	416649	5.13	ug/L 98
46) 1,2-Diclbenezene	11.09	146	328621	4.94	ug/L 98
47) 1,2-Dibromo-3-chloropropan	11.46	75	11674	4.36	ug/L # 86
48) 1,2,4-Tcbenezene	12.53	180	245415	5.37	ug/L 92
49) Hexachlorobt	12.79	225	151616	4.24	ug/L 99
50) 1,2,3-Tclbenzene	12.86	180	171324	4.90	ug/L 96

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

W1162.D OLC0814.M Mon Aug 18 09:15:00 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1162.D
Acq On : 14 Aug 2008 11:58 pm
Sample : 1124913 1.0 MSD
Misc : IT-Latham R8-43894 OLC2.1LL
MS Integration Params: CPD4.P
Quant Time: Aug 18 9:15 2008

Vial: 25
Operator: LIPANI
Inst : MS#6
Multiplr: 1.00

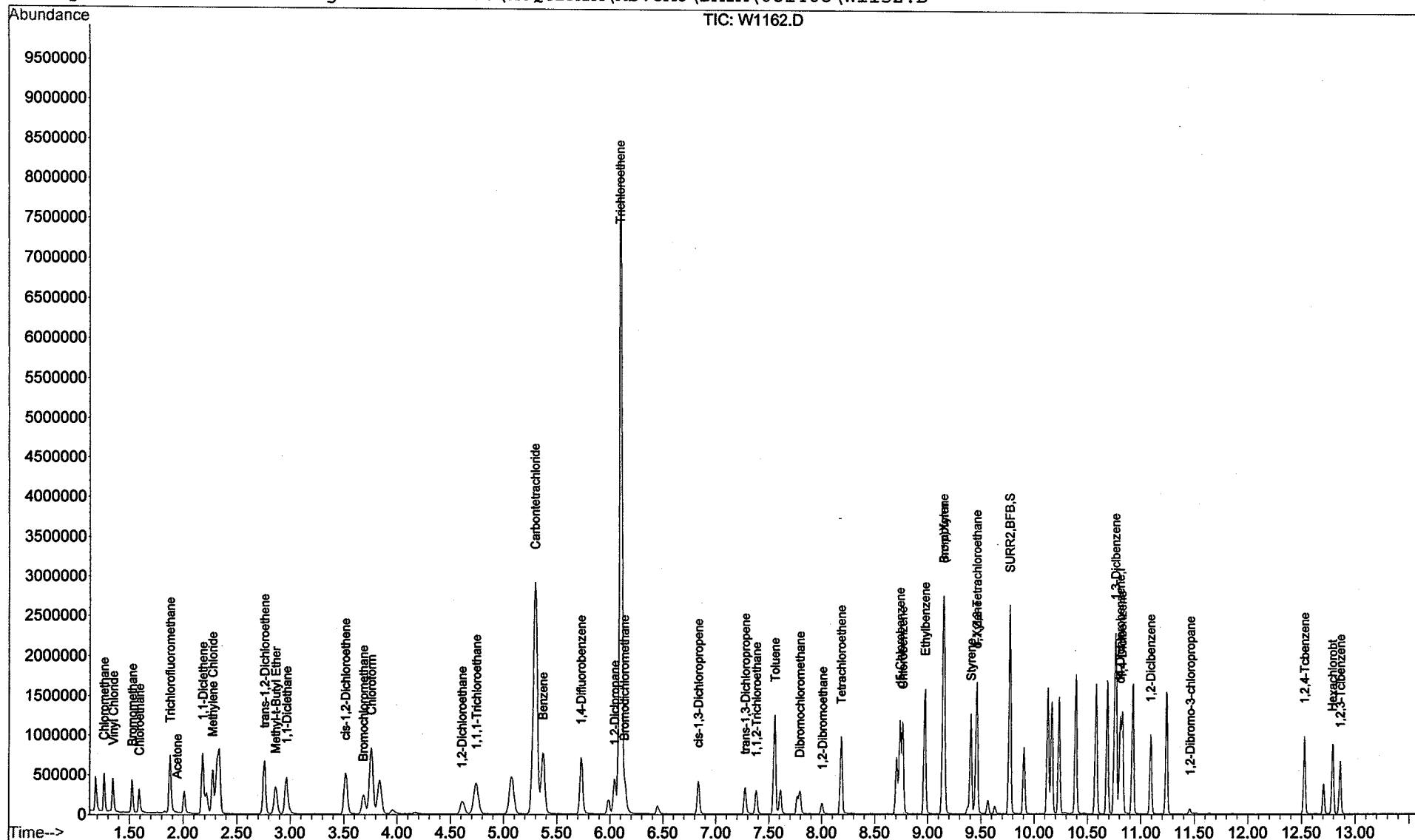
Quant Results File: OLC0814.RES

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008

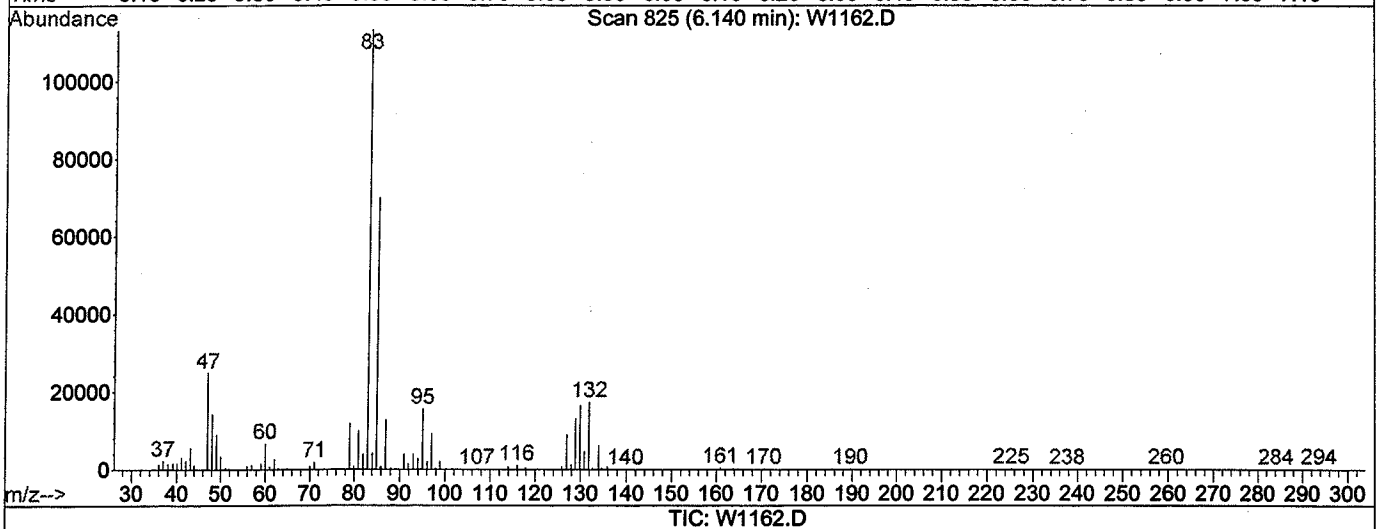
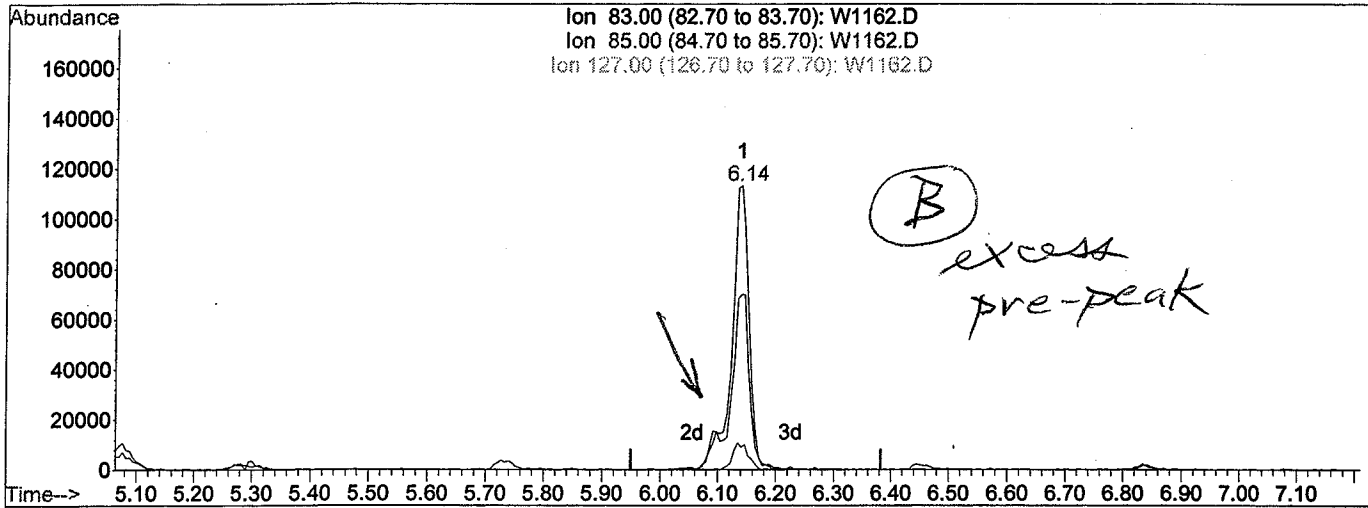
Response via : Continuing Cal File: J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D



Quantitation Report (Qedit)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1162.D Vial: 25
 Acq On : 14 Aug 2008 11:58 pm Operator: LIPANI
 Sample : 1124913 1.0 MSD Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 28 11:05 2008 Quant Results File: temp.res

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Single Level Calibration



(26) Bromodichloromethane

6.14min 6.00ug/L

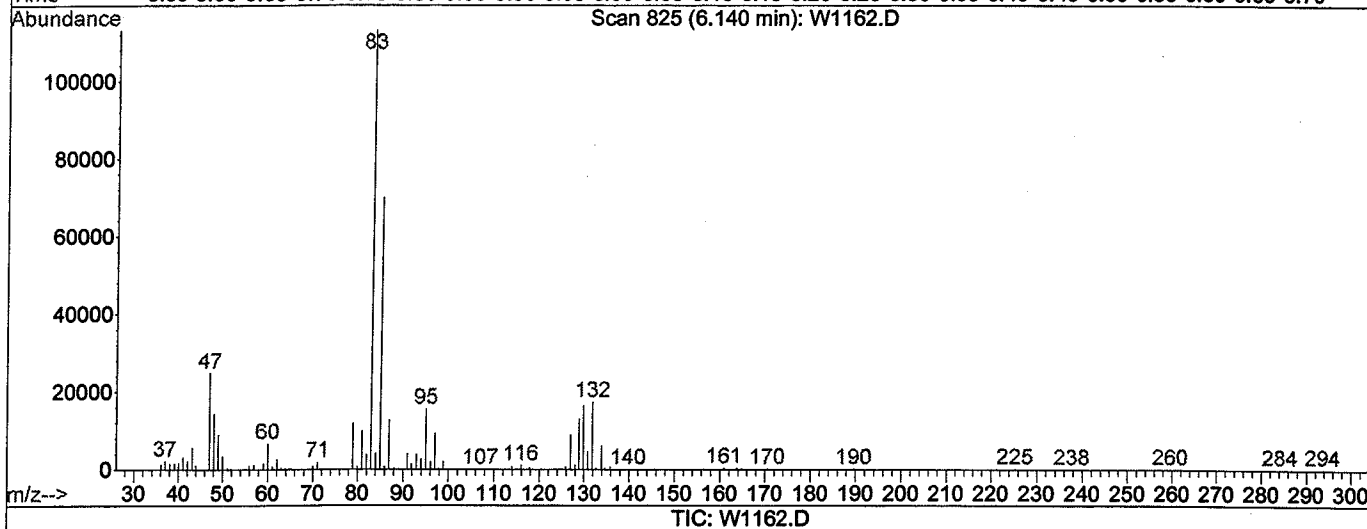
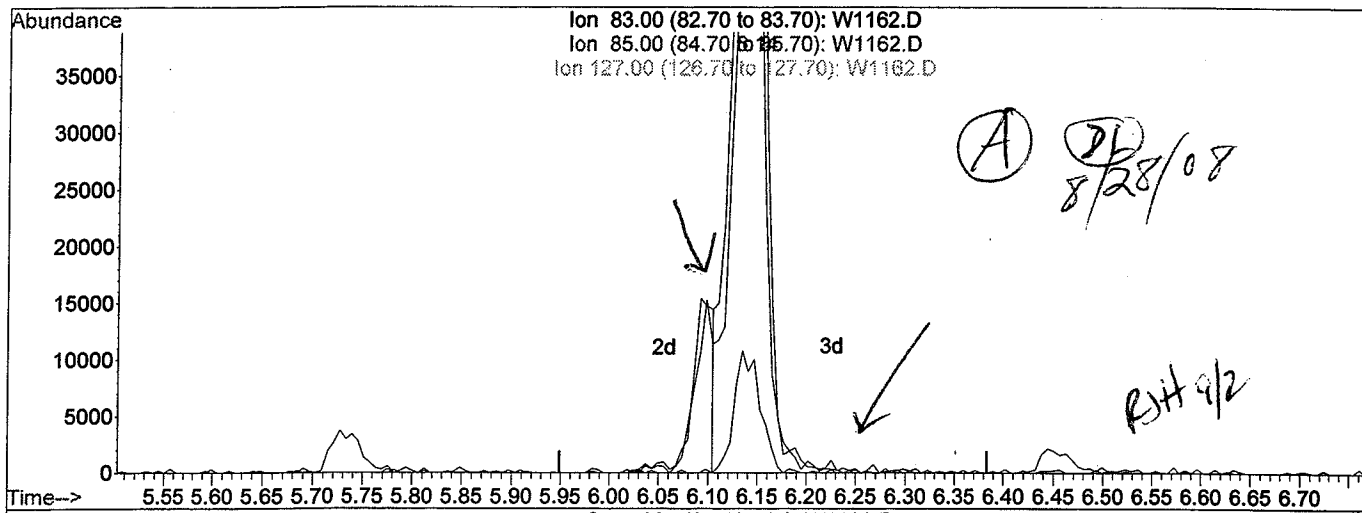
response 239725

Ion	Exp%	Act%
83.00	100	100
85.00	66.00	59.17
127.00	8.40	8.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1162.D Vial: 25
 Acq On : 14 Aug 2008 11:58 pm Operator: LIPANI
 Sample : 1124913 1.0 MSD Inst : MS#6
 Misc : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00
 MS Integration Params: CPD4.P
 Quant Time: Aug 28 11:05 2008 Quant Results File: temp.res

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
 Title : OLC 2.1 WATERS
 Last Update : Mon Aug 18 09:06:03 2008
 Response via : Single Level Calibration



(26) Bromodichloromethane

6.14min 5.46ug/L m

response 218140

Ion	Exp%	Act%
83.00	100	100
85.00	66.00	65.03
127.00	8.40	9.28
0.00	0.00	0.00

08/14/08
GCMS#6

OLC0814.M
(OLC 2.1)
[25mL Purge Volume]

261

- | | | |
|---|----------------------|---------|
| 1 | Blk | W1138 Y |
| 2 | Blk - new I.S. | W1139 Y |
| 3 | Blk - new Comb. | W1140 Y |
| 4 | Tune Check T081408.M | W1141 N |
| 5 | Tune Check " | W1142 N |

Modification to tune file - changed EntOffs
19.33 to 20.08, saved as T081408.U

- | | | |
|---|--------------------------------|---------|
| 6 | Tune Check T081408.M/T081408.U | W1143 N |
| 7 | Tune Check " " | W1144 N |

Modification to tune file - changed repeller 26.94 to 25.93
and EntOffs 20.08 to 20.83, saved as T081408.U

- | | | |
|----|--------------------------------|---------|
| 8 | Tune Check T081408.M/T081408.U | W1145 N |
| 9 | Tune Check " " | W1146 Y |
| 10 | Inst Blk | W1147 Y |

10	Instr	SURR	KH	1°T/G	KHB	1°T/G	
		25	25	25	25	500	
11	VSTD001/5 (8.5µl into full vial)	-	2µl	2µl	2µl	-	W1148 Y
12	VSTD002/10 (8.5µl into full vial)	-	4µl	4µl	4µl	-	W1149 Y
13	VSTD005/25 (8.5µl vial)	-	-	10µl	10µl	-	W1150 N <i>seems low bad shoot?</i>
14	VSTD010/50 (8.5µl vial)	-	-	-	10µl	1.0µl	W1151 Y
15	VSTD005/25 (8.5µl vial)	-	-	10µl	10µl	-	W1152 Y
16	VSTD025/125 (8.5µl vial)	-	-	-	25µl	2.5µl	W1153 Y
17	Blk	These shoots into 50mL DI					W1154 Y

— Run Continued on Next Page —→

David Lipman

Surr 25 MSVD166D, 4.0µl/50mL DI for 25mL purged Tune.
→ also see Curve.

I.S. 25 MSVD166C, 8.5µl injected into full vials during Curve (see above).

Comb I.S./Surr MSVD166E, 8.5µl injected per full vial where noted in curve and Blks + samples.

KH, MSVD166G, see Curve.

1°T/G 25 MSVD164B, see Curve.

KHB, MSVD167A, see Curve.

1°T/G 500, MSVD163D, see Curve.

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08/14/08 - Continued
GCMS#6OLC0814.M
(CLC 2.1)

18	ICV/LCS				W1155 Y
19	VLK				W1156 Y not used
20	VLK				W1157 Y
21	1124917	1.0 -1	<2	R8-43894 [IT-Lath]	W1158 Y
22	1124916	1.0 -1	<2	OLC 2.1	LL W1159 Y
23	1124913	1.0 MS-1	<2		W1160 \textcircled{Y} rpt 1/2.5
24	1124913	1.0 MS-2	<2		W1161 Y
25	1124913	1.0 MSD	<2 -1	(diff. vial 1)	W1162 Y
26	BLK				W1163 Y
27	1124913	2.5 ($\frac{20\text{mL}}{50\text{mL}}$)	<2		W1164 Y = DL
28	1124915	1.0 -1	<2		W1165 Y
29	1124918	1.0 -1	<2 (C.B.)	✓	W1166 Y

David Lipani

Standards - same as used on previous page
also:

Second Sources	↓ ICV/LCS ↓	↓ MS/MSD ↓
MSVD157E (SST/G25)	10µl / 50mL	; 8.5µl injected into full vial of sample (just SST/G) 2.5
MSVD163E (SSHSL 500)	+ 2.5µl DI	

APPENDIX B

***LABORATORY DATA, GROUNDWATER SAMPLES
(OCTOBER 13, 14, 15 AND 21, 2008)
AND
LABORATORY DATA, INFLUENT/EFFLUENT WATER
SAMPLES (OCTOBER 13, 2008)***

Proj. GE Malta
Proj # _____
File Code: SA

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 (585) 288-8475 fax



December 12, 2008

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

DEC 12 2008

Re: GE MRFA Project #129926
Submission # R2846549

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of twenty five samples were received by our laboratory on October 15-22, 2008.

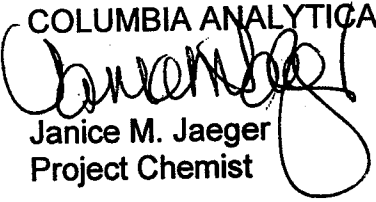
Any problems encountered with this project are addressed in a case narrative section which is presented later in this report.

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 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,

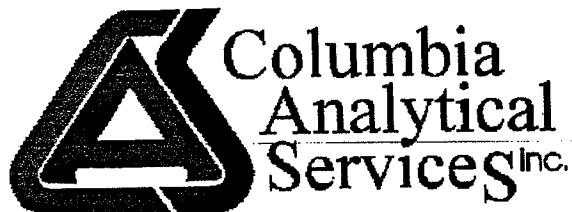
COLUMBIA ANALYTICAL SERVICES


Janice M. Jaeger
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853

Report contains a total of 145 pages



1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Lab Submission # : R2846549
Contact Person : Carlton Beechler
Phone Number : (585) 288-5380
Reported : 12/18/08

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. *Michael V. Lee*

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #129926
SUBMISSION #: R2846549

Shaw samples were collected on 10/13-21/08 and received at CAS on 10/15-22/08 in good condition.

INORGANICS

Four water samples were analyzed for Chromium and Hexavalent Chromium. Please see attached data pages for method numbers.

Site specific QC was performed on M-27D. All MS and Blank spike recoveries were within limits. All RPD's were within limits.

No analytical or QC problems were encountered.

VOLATILE ORGANICS

Twenty three water samples and one cooler blank were analyzed for OLC 2.1 Volatiles by CLP methodology.

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

All internal standard areas were within QC limits.

All surrogate standard recoveries were within QC limits.

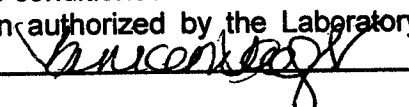
Site specific QC was performed on MRFA Influent and M-27D. All MS/MSD recoveries were within limits. All Reference spike recoveries were within limits. All RPD's were within limits.

Various compounds for M-25D have been flagged with an "E" as being outside the calibration range of the instrument. The sample was repeated at a dilution and both sets of data have been reported out.

The Laboratory blanks associated with these samples were free of contamination.

All samples were analyzed within required holding times.

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 hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature. 

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#: MRFA INFLUENT
 SUBMISSION R2846549
 CLIENT: Shaw Environmental
 CLIENT REP: Carlton Beechler
 PROJECT: GE MRFA PROJECT #129926

BATCH COMPLETE: yes
 DISKETTE REQUESTED: Y X N
 DATE: 10/27/08
 CUSTODY SEAL: PRESENT/ABSENT: NA
 CHAIN OF CUSTODY: PRESENT/ABSENT: P

DATE REVISED:
 DATE DUE: 11/11/08
 PROTOCOL: CLP
 SHIPPING No.:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS	AMPLE CONDITION
1144399QC	MRFA INFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
1144400	MRFA EFFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
1144401	DUPE A	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
1144402	14D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144403	SW-B	WATER	OLC2.1 VOA, CR, CR6	10/14/2008	10/15/2008				
1144404	13D	WATER	CR, CR6	10/14/2008	10/15/2008				
1144405	DUPE B	WATER	CR, CR6	10/14/2008	10/15/2008				
1144406	M-29D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144407QC	M-27D	WATER	OLC2.1 VOA, CR, CR6	10/14/2008	10/15/2008				
1144408	M-24D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144409	M-33I	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144410	M-33S	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144411	11D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144412	TRIP BLANK	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144413	COOLER BLANK	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144856	DGC-4S	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144857	DGC-3S	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144858	SW-F	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144859	SW-G	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144860	SW-A	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144861	4D	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144862	M-25D	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144863	TRIP BLANK	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1146625	SW-D	WATER	OLC2.1 VOA	10/21/2008	10/22/2008				
1146626	SW-E	WATER	OLC2.1 VOA	10/21/2008	10/22/2008				
1146627	TRIP BLANK	WATER	OLC2.1 VOA	10/21/2008	10/22/2008				



ORGANIC QUALIFIERS

- U -** Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J -** Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.
- N -** Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P -** This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).
- Q -** for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is ≥ 100% difference for the detected concentrations between the two GC columns.
- C -** This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B -** This flag is used when the analyte is found in the associated blank as well as in the sample.
- E -** This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D -** This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A -** This flag indicates that a TIC is a suspected aldol-condensation product.
- X -** As specified in Case Narrative.
- *** - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

**CAS/Rochester Lab ID # for State Certifications¹**

**NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved**

Nebraska Accredited
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com.

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL). This qualifier may also be used to indicate that there was contamination above the reporting limit in the associated blank. See Narrative for details.
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- D - Spike was diluted out
- E - The reported value is estimated because the serial dilution did not meet criteria.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AF" for Automated Cold Vapor Atomic Fluorescence Spectrometry
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.



CAS/Rochester Lab ID # for State Certifications¹

NELAP Accredited
 Delaware Accredited
 Connecticut ID # PH0556
 Florida ID # E87674
 Illinois ID #200047
 Maine ID #NY0032
 Massachusetts ID # M-NY032
 Navy Facilities Engineering Service Center Approved

Nebraska Accredited
 Nevada ID # NY-00032
 New Jersey ID # NY004
 New York ID # 10145
 New Hampshire ID # 294100 A/B
 Pennsylvania ID # 68-786
 Rhode Island ID # 158
 West Virginia ID # 292

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com.

Cooler Receipt And Preservation Check Form

Project/Client Shaw Submission Number 28-46549Cooler received on 10/15/08 by: AP COURIER: CAS 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 any VOA vials have significant* air bubbles? YES, NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? CAS/ROC, CLIENT
7. Temperature of cooler(s) upon receipt: 3°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 10/16/08 1015Thermometer ID: 161 / IR GUN#2 / IR GUN#3 Reading From: Temp Blank / Sample Bottle

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

PC Secondary Review: JMW 10/20/07Cooler Breakdown: Date: 10/16/08 by: KMC

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								
≤	HNO ₃	X		<u>20081A</u>	<u>0909</u>				
≤	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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>ES0A11</u>	<u>0909</u>				

Yes = All samples OK

No = Samples were preserved at lab as listed.

PM OK to Adjust: _____

Bottle lot numbers: 8-212-002, 033902

Other Comments: _____

PC Secondary Review: JMW 11/4/08

*significant air bubbles are greater than 5-6 mm

Cooler Receipt And Preservation Check Form

 Project/Client Shaw Submission Number R-224
R20 410549
Cooler received on 10/16/08 by: R COURIER: CAS ~~YES~~ FEDEX VELOCITY CLIENT

- Were custody seals on outside of cooler? YES ~~NO~~
- Were custody papers properly filled out (ink, signed, etc.)? ~~YES~~ NO
- Did all bottles arrive in good condition (unbroken)? ~~YES~~ NO
- Did any VOA vials have significant* air bubbles? YES, ~~NO~~ N/A
- Were Ice or Ice packs present? ~~YES~~ NO
- Where did the bottles originate? ~~CAS/ROS~~ CLIENT
- Temperature of cooler(s) upon receipt: 4°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 10/16/08 1035Thermometer ID: 161 / IR GUN#2 / ~~IR GUN#3~~ Reading From: ~~Temp Blank~~ Sample Bottle

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

PC Secondary Review: JMS 10/16/08Cooler Breakdown: Date: 10/16/08 by: H

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								
≤	HNO ₃								
≤	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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>ESDAN</u>	<u>09/09</u>				

Yes = All samples OK

No = Samples were preserved at lab as listed.

PM OK to Adjust: _____

Bottle lot numbers: 8-212-002

Other Comments: _____

PC Secondary Review: JMS 11/4/09

*significant air bubbles are greater than 5-6 mm

Cooler Receipt And Preservation Check Form

Project/Client shaw Submission Number R2846549Cooler received on 10/22/08 by: FEDEX COURIER: CAS ~~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 any VOA vials have significant* air bubbles? YES ~~NO~~ N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? CAS/ROD, CLIENT
7. Temperature of cooler(s) upon receipt: 2°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 10/22/08 1017Thermometer ID: 161 / IR GUN#2 / IR GUN#3 Reading From: Temp Blank / Sample Bottle

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

PC Secondary Review: 10/22/08Cooler Breakdown: Date: 10/22/08 by: shh

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								
≤2	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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>E50911</u>					

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 8-212-002

Other Comments: _____

PC Secondary Review: 11/4/08 *significant air bubbles are greater than 5-6 mm

00013

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Influent

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144399 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2448.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0- 2.5 PL 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	7	
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	48	
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	60	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA Influent

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1144399 2.5

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2448.D

Level: (low/med) LOW

Date Received: 10/15/08

% Moisture: not dec. _____

Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: ~~4.0~~ 2.5 >L 12-2-8

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA Influent

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144399 2.5
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2448.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.5 DL 12-2-8
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA Effluent

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144400 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2447.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		3	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		0.1	J
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		0.2	J
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA Effluent

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1144400 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2447.D

Level: (low/med) LOW

Date Received: 10/15/08

% Moisture: not dec. _____

Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA Effluent

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144400 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2447.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144401 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2449.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	0.1	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.2	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE A

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144401 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2449.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE A

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144401 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2449.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144402 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2450.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144402 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2450.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

14D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144402 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2450.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-B

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144403 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2451.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-B

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.:

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1144403 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2451.D

Level: (low/med) LOW

Date Received: 10/15/08

% Moisture: not dec.

Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-B

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144403 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2451.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144406 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2452.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.0 > 12-2-8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		2	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		2	U
75-00-3	Chloroethane		2	U
75-69-4	Trichlorofluoromethane		2	U
75-35-4	1,1-Dichloroethene		2	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		2	U
75-09-2	Methylene Chloride		2	U
156-60-5	trans-1,2-Dichloroethene		2	U
75-34-3	1,1-Dichloroethane		2	U
156-59-2	cis-1,2-Dichloroethene		0.3	J
78-93-3	2-Butanone		10	U
74-97-5	Bromochloromethane		2	U
67-66-3	Chloroform		2	
107-06-2	1,2-Dichloroethane		2	U
71-55-6	1,1,1-Trichloroethane		4	
56-23-5	Carbon Tetrachloride		32	
71-43-2	Benzene		2	U
79-01-6	Trichloroethene		10	
78-87-5	1,2-Dichloropropane		2	U
75-27-4	Bromodichloromethane		2	U
10061-01-5	cis-1,3-Dichloropropene		2	U
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		2	U
10061-02-6	trans-1,3-Dichloropropene		2	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		2	U
591-78-6	2-Hexanone		10	U
124-48-1	Dibromochloromethane		2	U
106-93-4	1,2-Dibromoethane		2	U
108-90-7	Chlorobenzene		2	U
100-41-4	Ethylbenzene		2	U
1330-20-7	(m+p) Xylene		2	U
1330-20-7	o-Xylene		2	U
100-42-5	Styrene		2	U
79-34-5	1,1,2,2-Tetrachloroethane		2	U
75-25-2	Bromoform		2	U
541-73-1	1,3-Dichlorobenzene		2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144406 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2452.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 DL 12-2-8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-29D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144406 2.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2452.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4-0 2.0 DL 12-2-8
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144407 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2474.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		0.3	J
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		0.6	J
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		9	
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		11	
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144407 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2474.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-27D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144407 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2474.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144408 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2453.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	0.3	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	10	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-24D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144408 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2453.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-24D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144408 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2453.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33I

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144409 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2454.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33I

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144409 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2454.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33I

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144409 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2454.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144410 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2455.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33S

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144410 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2455.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33S

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144410 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2455.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

11D

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1144411 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2456.D

Level: (low/med) LOW

Date Received: 10/15/08

% Moisture: not dec.

Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	2	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	10	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	2	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11D

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144411 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2456.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

11D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144411 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2456.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144412 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2457.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		3	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INFMatrix: (soil/water) WATER Lab Sample ID: 1144412 1.0Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2457.DLevel: (low/med) LOW Date Received: 10/15/08% Moisture: not dec. _____ Date Analyzed: 10/22/08GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144412 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2457.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144413 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2480.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INFMatrix: (soil/water) WATER Lab Sample ID: 1144413 1.0Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2480.DLevel: (low/med) LOW Date Received: 10/15/08% Moisture: not dec. _____ Date Analyzed: 10/23/08GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144413 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2480.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144856 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2458.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-4S

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144856 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2458.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144856 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2458.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144857 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2467.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-3S

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INFMatrix: (soil/water) WATER Lab Sample ID: 1144857 1.0Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2467.DLevel: (low/med) LOW Date Received: 10/16/08% Moisture: not dec. _____ Date Analyzed: 10/23/08GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144857 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2467.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-F

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1144858 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2468.D

Level: (low/med) LOW

Date Received: 10/16/08

% Moisture: not dec.

Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-F

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1144858 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2468.D

Level: (low/med) LOW

Date Received: 10/16/08

% Moisture: not dec. _____

Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-F

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144858 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2468.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-G

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144859 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2469.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-G

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144859 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2469.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-G

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144859 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2469.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-A

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144860 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2470.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-A

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144860 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2470.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-A

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144860 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2470.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144861 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2471.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

4D

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144861 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2471.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144861 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2471.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144862 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2472.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.5 DL 12-2-8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		2	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		2	U
75-00-3	Chloroethane		2	U
75-69-4	Trichlorofluoromethane		2	U
75-35-4	1,1-Dichloroethene		2	U
67-64-1	Acetone		3	J
75-15-0	Carbon Disulfide		2	U
75-09-2	Methylene Chloride		2	U
156-60-5	trans-1,2-Dichloroethene		2	U
75-34-3	1,1-Dichloroethane		2	U
156-59-2	cis-1,2-Dichloroethene		0.7	J
78-93-3	2-Butanone		12	U
74-97-5	Bromochloromethane		2	U
67-66-3	Chloroform		4	
107-06-2	1,2-Dichloroethane		2	U
71-55-6	1,1,1-Trichloroethane		2	U
56-23-5	Carbon Tetrachloride		52	
71-43-2	Benzene		2	U
79-01-6	Trichloroethene		78	E
78-87-5	1,2-Dichloropropane		2	U
75-27-4	Bromodichloromethane		2	U
10061-01-5	cis-1,3-Dichloropropene		2	U
108-10-1	4-Methyl-2-Pentanone		12	U
108-88-3	Toluene		2	U
10061-02-6	trans-1,3-Dichloropropene		2	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		2	U
591-78-6	2-Hexanone		12	U
124-48-1	Dibromochloromethane		2	U
106-93-4	1,2-Dibromoethane		2	U
108-90-7	Chlorobenzene		2	U
100-41-4	Ethylbenzene		2	U
1330-20-7	(m+p) Xylene		2	U
1330-20-7	o-Xylene		2	U
100-42-5	Styrene		2	U
79-34-5	1,1,2,2-Tetrachloroethane		2	U
75-25-2	Bromoform		2	U
541-73-1	1,3-Dichlorobenzene		2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144862 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2472.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.5 > 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-25D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144862 2.5
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2472.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 2.5 DL 12-2-8
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25DDL

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144862 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2479.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	0.8	JD
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	4	JD
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	51	D
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	79	D
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	(m+p) Xylene	5	U
1330-20-7	o-Xylene	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
75-25-2	Bromoform	5	U
541-73-1	1,3-Dichlorobenzene	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-25DDL

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144862 5.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2479.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-25DDL

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144862 5.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2479.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144863 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2473.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144863 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2473.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144863 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2473.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146625 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2679.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	0.3	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-D

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1146625 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2679.D
 Level: (low/med) LOW Date Received: 10/22/08
 % Moisture: not dec. _____ Date Analyzed: 10/30/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1146625 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2679.D
Level: (low/med) LOW Date Received: 10/22/08
% Moisture: not dec. _____ Date Analyzed: 10/30/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-E

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146626 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2680.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	0.1	J
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	0.1	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-E

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146626 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2680.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-E

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1146626 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2680.D
Level: (low/med) LOW Date Received: 10/22/08
% Moisture: not dec. _____ Date Analyzed: 10/30/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146627 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2681.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146627 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2681.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1146627 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2681.D
Level: (low/med) LOW Date Received: 10/22/08
% Moisture: not dec. _____ Date Analyzed: 10/30/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	VBLK01	95	0
02	LCS01	107	0
03	MRFA EFFLUENT	100	0
04	MRFA INFLUENT	95	0
05	DUPE A	94	0
06	14D	94	0
07	SW-B	97	0
08	M-29D	100	0
09	M-24D	95	0
10	M-33I	94	0
11	M-33S	96	0
12	11D	96	0
13	TRIP BLANK	97	0
14	DGC-4S	96	0
15	MRFA INFLUENT	110	0
16	MRFA INFLUENT	111	0
17	LCS02	111	0
18	VBLK02	98	0
19	DGC-3S	100	0
20	SW-F	98	0
21	SW-G	101	0
22	SW-A	98	0
23	4D	100	0
24	M-25D	101	0
25	TRIP BLANK	99	0
26	M-27D	99	0
27	M-27DMS	110	0
28	M-27DMSD	109	0
29	M-25DDL	97	0
30	COOLER BLK	98	0
31	LCS03	111	0
32	VBLK03	105	0
33	SW-D	102	0

(MS)
(MSD)

QC LIMITS

SMC1 = 4-Bromofluorobenzene

(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

	EPA SAMPLE NO.	SMC1 #	TOT OUT
34	SW-E	105	0
35	TRIP BLANK	107	0

SMC1

=

4-Bromofluorobenzene

QC LIMITS

(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

METALS
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: R2846549
Lab Code: Case No.:
SOW No.: CLP ILM 5.3
SDG No.: MRFA INFLUEI
SAS No.:

Sample ID.	Lab Sample No.
SW-B	1144403
13D	1144404
DUPE B	1144405
M-27D	1144407
M-27DD	1144407D
M-27DS	1144407S

Were ICP interelement corrections applied? Yes/No YES
Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See Attached Case Narrative

Signature: Michael K. Perry Name: Michael Perry
Date: 12/18/02 Title: Laboratory Director

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
13D

Contract: R2846549
Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUEN
Matrix (soil/water): WATER Lab Sample ID: 1144404
Level (low/med): LOW Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	7.3	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUPE B

Contract: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

Matrix (soil/water): WATER Lab Sample ID: 1144405

Level (low/med): LOW Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	10.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

M-27D

Contract: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

Matrix (soil/water): WATER Lab Sample ID: 1144407

Level (low/med): LOW Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.810	B		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: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

Matrix (soil/water): WATER Lab Sample ID: 1144403

Level (low/med): LOW Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.596	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

COLUMBIA ANALYTICAL SERVICES

Reported: 12/04/08

Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Client Sample ID : SW-B

Date Sampled : 10/14/08 15:05	Order #: 1144403	Sample Matrix: WATER
Date Received: 10/15/08	Submission #: R2846549	

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08	11:17	1.0

00096

COLUMBIA ANALYTICAL SERVICES

Reported: 12/04/08

Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Client Sample ID : 13D

Date Sampled : 10/14/08 14:15	Order #: 1144404	Sample Matrix: WATER
Date Received: 10/15/08	Submission #: R2846549	

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08	11:17	1.0

00097

COLUMBIA ANALYTICAL SERVICES

Reported: 12/04/08

Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Client Sample ID : DUPE B

Date Sampled : 10/14/08
Date Received: 10/15/08

Order #: 1144405
Submission #: R2846549

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08	11:17	1.0

00098

COLUMBIA ANALYTICAL SERVICES

Reported: 12/04/08

Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Client Sample ID : M-27D

Date Sampled : 10/14/08 14:45	Order #: 1144407	Sample Matrix: WATER
Date Received: 10/15/08	Submission #: R2846549	

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08	11:17	1.0

00099

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix Spike - EPA Sample No MRFA Influent

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	12	0.0	13	108	60 - 140
1,2-Dichloroethane	12	0.0	13	108	60 - 140
Carbon Tetrachloride	12	48	58	83	60 - 140
Benzene	12	0.0	12	100	60 - 140
Trichloroethene	12	60	69	75	60 - 140
1,2-Dichloropropane	12	0.0	12	100	60 - 140
cis-1,3-Dichloropropene	12	0.0	12	100	60 - 140
1,1,2-Trichloroethane	12	0.0	13	108	60 - 140
Tetrachloroethene	12	0.0	12	100	60 - 140
1,2-Dibromoethane	12	0.0	12	100	60 - 140
Bromoform	12	0.0	13	108	60 - 140
1,4-Dichlorobenzene	12	0.0	12	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Vinyl Chloride	12	14	117	8	30	60 - 140
1,2-Dichloroethane	12	12	100	8	30	60 - 140
Carbon Tetrachloride	12	59	92	10	30	60 - 140
Benzene	12	12	100	0	30	60 - 140
Trichloroethene	12	70	83	10	30	60 - 140
1,2-Dichloropropane	12	12	100	0	30	60 - 140
cis-1,3-Dichloropropene	12	12	100	0	30	60 - 140
1,1,2-Trichloroethane	12	13	108	0	30	60 - 140
Tetrachloroethene	12	12	100	0	30	60 - 140
1,2-Dibromoethane	12	12	100	0	30	60 - 140
Bromoform	12	13	108	0	30	60 - 140
1,4-Dichlorobenzene	12	12	100	0	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA InfluentMS

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158563 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2459.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.5 PL 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	14	
75-01-4	Vinyl Chloride	13	
74-83-9	Bromomethane	13	
75-00-3	Chloroethane	13	
75-69-4	Trichlorofluoromethane	13	
75-35-4	1,1-Dichloroethene	13	
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	13	
156-60-5	trans-1,2-Dichloroethene	12	
75-34-3	1,1-Dichloroethane	13	
156-59-2	cis-1,2-Dichloroethene	12	
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	13	
67-66-3	Chloroform	21	
107-06-2	1,2-Dichloroethane	13	
71-55-6	1,1,1-Trichloroethane	12	
56-23-5	Carbon Tetrachloride	58	
71-43-2	Benzene	12	
79-01-6	Trichloroethene	69	E
78-87-5	1,2-Dichloropropane	12	
75-27-4	Bromodichloromethane	13	
10061-01-5	cis-1,3-Dichloropropene	12	
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	
10061-02-6	trans-1,3-Dichloropropene	12	
79-00-5	1,1,2-Trichloroethane	13	
127-18-4	Tetrachloroethene	12	
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	13	
106-93-4	1,2-Dibromoethane	12	
108-90-7	Chlorobenzene	13	
100-41-4	Ethylbenzene	12	
1330-20-7	(m+p) Xylene	24	
1330-20-7	o-Xylene	12	
100-42-5	Styrene	12	
79-34-5	1,1,2,2-Tetrachloroethane	14	
75-25-2	Bromoform	13	
541-73-1	1,3-Dichlorobenzene	12	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA InfluentMS

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158563 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2459.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.5 DL 12-2-8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	12	
95-50-1	1,2-Dichlorobenzene	13	
96-12-8	1,2-Dibromo-3-chloropropane	12	
120-82-1	1,2,4-Trichlorobenzene	13	
87-68-3	Hexachlorobutadiene	11	
87-61-6	1,2,3-Trichlorobenzene	12	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CAS ROCH Contract: IT-Latham MRFA InfluentMSD

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158564 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2460.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.5 PL 12-2-8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		14	
75-01-4	Vinyl Chloride		14	
74-83-9	Bromomethane		13	
75-00-3	Chloroethane		13	
75-69-4	Trichlorofluoromethane		13	
75-35-4	1,1-Dichloroethene		12	
67-64-1	Acetone		5	J
75-15-0	Carbon Disulfide		2	U
75-09-2	Methylene Chloride		13	
156-60-5	trans-1,2-Dichloroethene		12	
75-34-3	1,1-Dichloroethane		13	
156-59-2	cis-1,2-Dichloroethene		12	
78-93-3	2-Butanone		12	U
74-97-5	Bromochloromethane		13	
67-66-3	Chloroform		20	
107-06-2	1,2-Dichloroethane		12	
71-55-6	1,1,1-Trichloroethane		12	
56-23-5	Carbon Tetrachloride		59	
71-43-2	Benzene		12	
79-01-6	Trichloroethene		70	E
78-87-5	1,2-Dichloropropane		12	
75-27-4	Bromodichloromethane		13	
10061-01-5	cis-1,3-Dichloropropene		12	
108-10-1	4-Methyl-2-Pentanone		12	U
108-88-3	Toluene		12	
10061-02-6	trans-1,3-Dichloropropene		12	
79-00-5	1,1,2-Trichloroethane		13	
127-18-4	Tetrachloroethene		12	
591-78-6	2-Hexanone		12	U
124-48-1	Dibromochloromethane		13	
106-93-4	1,2-Dibromoethane		12	
108-90-7	Chlorobenzene		12	
100-41-4	Ethylbenzene		12	
1330-20-7	(m+p) Xylene		24	
1330-20-7	o-Xylene		12	
100-42-5	Styrene		12	
79-34-5	1,1,2,2-Tetrachloroethane		13	
75-25-2	Bromoform		13	
541-73-1	1,3-Dichlorobenzene		12	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA InfluentMSP

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.:

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1158564 2.5

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2460.D

Level: (low/med) LOW

Date Received: 10/15/08

% Moisture: not dec.

Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: ~~4.0~~ 2.5 PL 12-2-8

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	12	
95-50-1	1,2-Dichlorobenzene	12	
96-12-8	1,2-Dibromo-3-chloropropane	12	
120-82-1	1,2,4-Trichlorobenzene	13	
87-68-3	Hexachlorobutadiene	11	
87-61-6	1,2,3-Trichlorobenzene	13	

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INF

Matrix Spike - EPA Sample No M-27D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.5	110	60 - 140
1,2-Dichloroethane	5.0	0.0	5.1	102	60 - 140
Carbon Tetrachloride	5.0	9.3	14	94	60 - 140
Benzene	5.0	0.0	5.0	100	60 - 140
Trichloroethene	5.0	11	15	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.8	96	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.8	96	60 - 140
Tetrachloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Vinyl Chloride	5.0	5.5	110	0	30	60 - 140
1,2-Dichloroethane	5.0	4.9	98	4	30	60 - 140
Carbon Tetrachloride	5.0	14	94	0	30	60 - 140
Benzene	5.0	5.0	100	0	30	60 - 140
Trichloroethene	5.0	15	80	0	30	60 - 140
1,2-Dichloropropane	5.0	5.1	102	2	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.7	94	2	30	60 - 140
1,1,2-Trichloroethane	5.0	4.6	92	4	30	60 - 140
Tetrachloroethene	5.0	5.2	104	6	30	60 - 140
1,2-Dibromoethane	5.0	4.6	92	8	30	60 - 140
Bromoform	5.0	5.1	102	0	30	60 - 140
1,4-Dichlorobenzene	5.0	5.2	104	4	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158598 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2475.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	6	
75-01-4	Vinyl Chloride	6	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	6	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	6	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	14	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	15	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158598 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2475.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMSD

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.:

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1158599 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2476.D

Level: (low/med) LOW

Date Received: 10/15/08

% Moisture: not dec.

Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	6	
75-01-4	Vinyl Chloride	6	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	6	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	6	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	14	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	15	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMSD

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1158599 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2476.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DS

Contract: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

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

Solids for Sample: 100.0

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	204.00	0.81 B	200.0	102		P

Comments:

METALS
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DA

Contract: R2846549

Lab Code: Case No.: SAS

SDG NO.: MRFA INFLUENT

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		0.81	B	200.0	103		P

Comments:

METALS
-6-
DUPLICATES

SAMPLE NO.

M-27DD

Contract: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

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

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		0.81	B	0.90	B	11		P

Comments:

COLUMBIA ANALYTICAL SERVICES**INORGANIC QUALITY CONTROL SUMMARY**

Report Date : 12/04/08
CAS Order # : 1144407 - M-27D
Client : Shaw Environmental
GE MRFA PROJECT #129926
Reported Units: MG/L
Run # : 168590

PRECISION**ACCURACY**

ORIGINAL	DUPLICATE	RPD	FOUND	ADDED	% REC.	LIMITS
0.0100 U	0.0100 U	NC	0.102	0.100	102	85 - 115

HEXAVALENT CHROMIUM**00113**

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INFMatrix Spike - EPA Sample No LCS01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.4	108	60 - 140
1,2-Dichloroethane	5.0	0.0	5.1	102	60 - 140
Carbon Tetrachloride	5.0	0.0	4.8	96	60 - 140
Benzene	5.0	0.0	4.8	96	60 - 140
Trichloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dichloropropane	5.0	0.0	4.8	96	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.0	100	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.3	106	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.9	98	60 - 140

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158562 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2445.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		6	
75-01-4	Vinyl Chloride		5	
74-83-9	Bromomethane		5	
75-00-3	Chloroethane		5	
75-69-4	Trichlorofluoromethane		5	
75-35-4	1,1-Dichloroethene		5	
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		6	
156-60-5	trans-1,2-Dichloroethene		5	
75-34-3	1,1-Dichloroethane		5	
156-59-2	cis-1,2-Dichloroethene		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		5	
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroethane		5	
71-55-6	1,1,1-Trichloroethane		5	
56-23-5	Carbon Tetrachloride		5	
71-43-2	Benzene		5	
79-01-6	Trichloroethene		5	
78-87-5	1,2-Dichloropropane		5	
75-27-4	Bromodichloromethane		5	
10061-01-5	cis-1,3-Dichloropropene		5	
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		5	
10061-02-6	trans-1,3-Dichloropropene		5	
79-00-5	1,1,2-Trichloroethane		5	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		5	
106-93-4	1,2-Dibromoethane		5	
108-90-7	Chlorobenzene		5	
100-41-4	Ethylbenzene		5	
1330-20-7	(m+p) Xylene		10	
1330-20-7	o-Xylene		5	
100-42-5	Styrene		5	
79-34-5	1,1,2,2-Tetrachloroethane		5	
75-25-2	Bromoform		5	
541-73-1	1,3-Dichlorobenzene		5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158562 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2445.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INFMatrix Spike - EPA Sample No LCS02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.4	108	60 - 140
1,2-Dichloroethane	5.0	0.0	5.2	104	60 - 140
Carbon Tetrachloride	5.0	0.0	4.9	98	60 - 140
Benzene	5.0	0.0	4.9	98	60 - 140
Trichloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dichloropropane	5.0	0.0	5.0	100	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.9	98	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.8	96	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.6	112	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.2	104	60 - 140

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158597 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2464.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		6	
75-01-4	Vinyl Chloride		5	
74-83-9	Bromomethane		4	
75-00-3	Chloroethane		5	
75-69-4	Trichlorofluoromethane		5	
75-35-4	1,1-Dichloroethene		6	
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		5	
156-60-5	trans-1,2-Dichloroethene		5	
75-34-3	1,1-Dichloroethane		5	
156-59-2	cis-1,2-Dichloroethene		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		5	
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroethane		5	
71-55-6	1,1,1-Trichloroethane		5	
56-23-5	Carbon Tetrachloride		5	
71-43-2	Benzene		5	
79-01-6	Trichloroethene		5	
78-87-5	1,2-Dichloropropane		5	
75-27-4	Bromodichloromethane		5	
10061-01-5	cis-1,3-Dichloropropene		5	
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		5	
10061-02-6	trans-1,3-Dichloropropene		5	
79-00-5	1,1,2-Trichloroethane		5	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		5	
106-93-4	1,2-Dibromoethane		5	
108-90-7	Chlorobenzene		5	
100-41-4	Ethylbenzene		5	
1330-20-7	(m+p) Xylene		10	
1330-20-7	o-Xylene		5	
100-42-5	Styrene		5	
79-34-5	1,1,2,2-Tetrachloroethane		5	
75-25-2	Bromoform		6	
541-73-1	1,3-Dichlorobenzene		5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS02

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158597 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2464.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INFMatrix Spike - EPA Sample No LCS03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.7	94	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	60 - 140
Carbon Tetrachloride	5.0	0.0	4.7	94	60 - 140
Benzene	5.0	0.0	4.6	92	60 - 140
Trichloroethene	5.0	0.0	4.6	92	60 - 140
1,2-Dichloropropane	5.0	0.0	4.7	94	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.8	96	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.7	94	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	4.7	94	60 - 140
Bromoform	5.0	0.0	5.0	100	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.2	104	60 - 140

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS03

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158778 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2676.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		4	
75-01-4	Vinyl Chloride		5	
74-83-9	Bromomethane		5	
75-00-3	Chloroethane		5	
75-69-4	Trichlorofluoromethane		5	
75-35-4	1,1-Dichloroethene		5	
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		5	
156-60-5	trans-1,2-Dichloroethene		5	
75-34-3	1,1-Dichloroethane		5	
156-59-2	cis-1,2-Dichloroethene		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		5	
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroethane		5	
71-55-6	1,1,1-Trichloroethane		4	
56-23-5	Carbon Tetrachloride		5	
71-43-2	Benzene		5	
79-01-6	Trichloroethene		5	
78-87-5	1,2-Dichloropropane		5	
75-27-4	Bromodichloromethane		5	
10061-01-5	cis-1,3-Dichloropropene		5	
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		5	
10061-02-6	trans-1,3-Dichloropropene		5	
79-00-5	1,1,2-Trichloroethane		5	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		5	
106-93-4	1,2-Dibromoethane		5	
108-90-7	Chlorobenzene		5	
100-41-4	Ethylbenzene		5	
1330-20-7	(m+p) Xylene		10	
1330-20-7	o-Xylene		5	
100-42-5	Styrene		5	
79-34-5	1,1,2,2-Tetrachloroethane		5	
75-25-2	Bromoform		5	
541-73-1	1,3-Dichlorobenzene		5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS03

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158778 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2676.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	6	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R2846549
Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT
Solid LCS Source:
Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits	%R	
Chromium	200	200	100						

Comments:

VOLATILE METHOD BLANK SUMMARY

VBLK01

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2444.D Lab Sample ID: 1158561 1.0
 Date Analyzed: 10/22/08 Time Analyzed: 16:16
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N
 Instrument ID: GCMS #6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	1158562 1.0	W2445.D	16:52
02	MRFA EFFLUENT	1144400 1.0	W2447.D	17:57
03	MRFA INFLUENT	1144399 2.5	W2448.D	18:33
04	DUPE A	1144401 1.0	W2449.D	19:11
05	14D	1144402 1.0	W2450.D	19:47
06	SW-B	1144403 1.0	W2451.D	20:23
07	M-29D	1144406 2.0	W2452.D	20:59
08	M-24D	1144408 1.0	W2453.D	21:34
09	M-33I	1144409 1.0	W2454.D	22:10
10	M-33S	1144410 1.0	W2455.D	22:46
11	11D	1144411 1.0	W2456.D	23:21
12	TRIP BLANK	1144412 1.0	W2457.D	23:57
13	DGC-4S	1144856 1.0	W2458.D	0:34
14	MRFA INFLUENTMS	1158563 2.5	W2459.D	1:10
15	MRFA INFLUENTMS	1158564 2.5	W2460.D	1:45

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158561 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2444.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK01

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158561 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2444.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1158561 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2444.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK02

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Lab File ID: W2466.D Lab Sample ID: 1158596 1.0

Date Analyzed: 10/23/08 Time Analyzed: 5:21

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS #6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS02	1158597 1.0	W2464.D	4:09
02	DGC-3S	1144857 1.0	W2467.D	5:57
03	SW-F	1144858 1.0	W2468.D	6:33
04	SW-G	1144859 1.0	W2469.D	7:09
05	SW-A	1144860 1.0	W2470.D	7:45
06	4D	1144861 1.0	W2471.D	8:21
07	M-25D	1144862 2.5	W2472.D	8:57
08	TRIP BLANK	1144863 1.0	W2473.D	9:33
09	M-27D	1144407 1.0	W2474.D	10:09
10	M-27DMS	1158598 1.0	W2475.D	10:45
11	M-27DMSD	1158599 1.0	W2476.D	11:18
12	M-25DDL	1144862 5.0	W2479.D	13:05
13	COOLER BLK	1144413 1.0	W2480.D	13:41

COMMENTS

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158596 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2466.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158596 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2466.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK02

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1158596 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2466.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK03

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Lab File ID: W2678.D Lab Sample ID: 1158777 1.0
Date Analyzed: 10/30/08 Time Analyzed: 19:14
GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N
Instrument ID: GCMS #6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS03	1158778 1.0	W2676.D	18:02
02	SW-D	1146625 1.0	W2679.D	19:49
03	SW-E	1146626 1.0	W2680.D	20:25
04	TRIP BLANK	1146627 1.0	W2681.D	21:00

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158777 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2678.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK03

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1158777 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2678.D
Level: (low/med) LOW Date Received:
% Moisture: not dec. Date Analyzed: 10/30/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK03

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1158777 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2678.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 10/30/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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METALS
-3-
BLANKS

Contract: R2846549
Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT
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	-0.32	B	-0.24	B	0.17	U	-0.18	B	0.17	U	P

Comments:

METALS
-3-
BLANKS

Contract: R2846549
Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT
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		0.17	U							P

Comments:

COLUMBIA ANALYTICAL SERVICES**INORGANIC BLANK SPIKE SUMMARY**

CAS Submission #: R2846549

Client: Shaw Environmental

GE MRFA PROJECT #129926

BLANK SPIKES

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
0.0100 U	0.0979	0.100	98	90 - 109	168590	MG/L

HEXAVALENT CHROMIUM

00138

5A

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W1766.D BFB Injection Date: 9/17/08
 Instrument ID: GCMS #6 BFB Injection Time: 15:09
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.3
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 120.0% of mass 95	106.0
175	4.0 - 9.0% of mass 174	7.8 (7.3)1
176	93.0 - 101.0% of mass 174	101.5 (95.8)1
177	5.0 - 9.0% of mass 176	6.8 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001/005	VSTD001/005	W1770.D	9/17/08	17:58
02	VSTD002/010	VSTD002/010	W1771.D	9/17/08	18:34
03	VSTD005/025	VSTD005/025	W1772.D	9/17/08	19:10
04	VSTD010/050	VSTD010/050	W1773.D	9/17/08	19:46
05	VSTD025/125	VSTD025/125	W1774.D	9/17/08	20:17

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2441.D BFB Injection Date: 10/22/08
 Instrument ID: GCMS #6 BFB Injection Time: 14:09
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.2
75	30.0 - 66.0% of mass 95	45.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	101.3
175	4.0 - 9.0% of mass 174	7.3 (7.2)1
176	93.0 - 101.0% of mass 174	99.8 (98.6)1
177	5.0 - 9.0% of mass 176	6.3 (6.3)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #1	VSTD #1	W2442.D	10/22/08	14:58
02	VLK01	1158561 1.0	W2444.D	10/22/08	16:16
03	LCS01	1158562 1.0	W2445.D	10/22/08	16:52
04	MRFA EFFLUENT	1144400 1.0	W2447.D	10/22/08	17:57
05	MRFA INFLUENT	1144399 2.5	W2448.D	10/22/08	18:33
06	DUPE A	1144401 1.0	W2449.D	10/22/08	19:11
07	14D	1144402 1.0	W2450.D	10/22/08	19:47
08	SW-B	1144403 1.0	W2451.D	10/22/08	20:23
09	M-29D	1144406 2.0	W2452.D	10/22/08	20:59
10	M-24D	1144408 1.0	W2453.D	10/22/08	21:34
11	M-33I	1144409 1.0	W2454.D	10/22/08	22:10
12	M-33S	1144410 1.0	W2455.D	10/22/08	22:46
13	11D	1144411 1.0	W2456.D	10/22/08	23:21
14	TRIP BLANK	1144412 1.0	W2457.D	10/22/08	23:57
15	DGC-4S	1144856 1.0	W2458.D	10/23/08	0:34
16	MRFA INFLUENTMS	1158563 2.5	W2459.D	10/23/08	1:10
17	MRFA INFLUENTMSD	1158564 2.5	W2460.D	10/23/08	1:45

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2461.D BFB Injection Date: 10/23/08
 Instrument ID: GCMS #6 BFB Injection Time: 2:21
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	46.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 120.0% of mass 95	95.6
175	4.0 - 9.0% of mass 174	5.2 (5.4)1
176	93.0 - 101.0% of mass 174	92.5 (96.8)1
177	5.0 - 9.0% of mass 176	6.0 (6.5)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #2	VSTD #2	W2463.D	10/23/08	3:33
02	LCS02	1158597 1.0	W2464.D	10/23/08	4:09
03	VLK02	1158596 1.0	W2466.D	10/23/08	5:21
04	DGC-3S	1144857 1.0	W2467.D	10/23/08	5:57
05	SW-F	1144858 1.0	W2468.D	10/23/08	6:33
06	SW-G	1144859 1.0	W2469.D	10/23/08	7:09
07	SW-A	1144860 1.0	W2470.D	10/23/08	7:45
08	4D	1144861 1.0	W2471.D	10/23/08	8:21
09	M-25D	1144862 2.5	W2472.D	10/23/08	8:57
10	TRIP BLANK	1144863 1.0	W2473.D	10/23/08	9:33
11	M-27D	1144407 1.0	W2474.D	10/23/08	10:09
12	M-27DMS	1158598 1.0	W2475.D	10/23/08	10:45
13	M-27DMSD	1158599 1.0	W2476.D	10/23/08	11:18
14	M-25DDL	1144862 5.0	W2479.D	10/23/08	13:05
15	COOLER BLK	1144413 1.0	W2480.D	10/23/08	13:41

5A

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2674.D BFB Injection Date: 10/30/08
 Instrument ID: GCMS #6 BFB Injection Time: 16:31
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.2
75	30.0 - 66.0% of mass 95	45.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.9 (0.9)1
174	50.0 - 120.0% of mass 95	96.5
175	4.0 - 9.0% of mass 174	6.5 (6.8)1
176	93.0 - 101.0% of mass 174	92.1 (95.5)1
177	5.0 - 9.0% of mass 176	5.3 (5.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #3	VSTD #3	W2675.D	10/30/08	17:14
02	LCS03	1158778 1.0	W2676.D	10/30/08	18:02
03	VBLK03	1158777 1.0	W2678.D	10/30/08	19:14
04	SW-D	1146625 1.0	W2679.D	10/30/08	19:49
05	SW-E	1146626 1.0	W2680.D	10/30/08	20:25
06	TRIP BLANK	1146627 1.0	W2681.D	10/30/08	21:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
 Lab File ID (Standard): W2442.D Date Analyzed: 10/22/08
 Instrument ID: GCMS #6 Time Analyzed: 14:58
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		637482	5.73	517764	8.74	253438	10.81
UPPER LIMIT		1274964	6.23	1035528	9.24	506876	11.31
LOWER LIMIT		318741	5.23	258882	8.24	126719	10.31
EPA SAMPLE NO.							
01	VBLK01	591431	5.73	482542	8.74	217006	10.80
02	LCS01	590378	5.73	505767	8.74	253508	10.81
03	MRFA EFFLUENT	574496	5.73	472173	8.74	215981	10.81
04	MRFA INFLUENT	579683	5.73	475382	8.74	215856	10.81
05	DUPE A	586353	5.73	470051	8.74	215098	10.81
06	14D	576735	5.73	476907	8.74	223487	10.80
07	SW-B	569346	5.73	471520	8.73	217180	10.81
08	M-29D	551606	5.73	468162	8.74	210478	10.81
09	M-24D	570683	5.73	464655	8.74	211320	10.81
10	M-33I	559559	5.73	462273	8.74	206337	10.81
11	M-33S	563670	5.73	457022	8.74	207321	10.80
12	11D	552302	5.73	461938	8.74	213782	10.81
13	TRIP BLANK	549624	5.73	459250	8.74	210457	10.81
14	DGC-4S	539126	5.73	452206	8.74	210431	10.81
15	MRFA INFLUENT MS	561697	5.73	482138	8.74	237531	10.81
16	MRFA INFLUENT MSD	576395	5.73	486605	8.74	241677	10.81

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID (Standard): W2463.D Date Analyzed: 10/23/08
 Instrument ID: GCMS #6 Time Analyzed: 3:33
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		630321	5.73	520348	8.74	256561	10.81
UPPER LIMIT		1260642	6.23	1040696	9.24	513122	11.31
LOWER LIMIT		315161	5.23	260174	8.24	128281	10.31
EPA SAMPLE NO.							
01	LCS02	587243	5.73	499516	8.74	240819	10.81
02	VBLK02	580713	5.73	483616	8.74	224711	10.81
03	DGC-3S	557010	5.73	464032	8.74	208477	10.81
04	SW-F	562814	5.73	459898	8.74	215881	10.81
05	SW-G	551213	5.73	465862	8.74	211797	10.81
06	SW-A	549304	5.73	464528	8.74	213118	10.80
07	4D	558873	5.73	464652	8.74	218877	10.81
08	M-25D	549702	5.73	457944	8.74	213481	10.81
09	TRIP BLANK	566435	5.73	470927	8.74	212570	10.80
10	M-27D	558546	5.73	465401	8.74	215456	10.80
11	M-27DMS	581595	5.73	496229	8.74	244508	10.80
12	M-27DMSD	582647	5.73	492081	8.74	239649	10.81
13	M-25DDL	565328	5.73	467900	8.74	210167	10.81
14	COOLER BLK	566789	5.73	463573	8.74	218146	10.81

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = Dichlorobenzene-d4

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

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID (Standard): W2675.D Date Analyzed: 10/30/08
 Instrument ID: GCMS #6 Time Analyzed: 17:14
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		619994	5.73	477647	8.73	253351	10.80
UPPER LIMIT		1239988	6.23	955294	9.23	506702	11.30
LOWER LIMIT		309997	5.23	238824	8.23	126676	10.30
EPA SAMPLE NO.							
01	LCS03	603556	5.73	498853	8.73	243550	10.81
02	VBLK03	571889	5.73	481392	8.74	230986	10.81
03	SW-D	573490	5.73	479917	8.74	228398	10.80
04	SW-E	566175	5.73	474354	8.74	223016	10.80
05	TRIP BLANK	545945	5.73	452920	8.74	220389	10.81

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

APPENDIX C
DATA VALIDATION REPORTS

JAN 05 2008

Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, NY 12853

Phone (518) 251-4429

Facsimile (518) 251-4428

Proj. GE Malta MRFA
Proj #
File Code: 8A

LETTER OF TRANSMITTAL

TO: Marc Flanagan

COMPANY: Shaw Environmental, Inc

FROM: Judy Harry *JH*

DATE: 01-02-08

ENCLOSED: Validation report for the MRFA site
CAS Sub Nos. R2845291 and R2846549

Data package summaries with qualifiers applied to report forms

Copy of associated invoice

COMMENTS: report is as emailed

Ship via: US Express ☐ UPS ☐ US Priority ☒ Fed Ex ☐ Other ☐

Data Validation Services

120 Cobble Creek Road P.O. Box 208

North Creek, NY 12853

Phone 518-251-4429

Facsimile 518-251-4428

INVOICE NUMBER 123108A

TO: Shaw Environmental

FROM: Judy Harry, Data Validation Services 

DATE: 12-31-08

RE: Invoice for review of MRFA Malta data packages
Validation Report of 12-31-08
414301 OP

Please remit the following balance due as outlined below:

<u>No. of Units*</u>	<u>Analytical Fraction</u>	<u>Unit Cost</u>	<u>Subtotal Due</u>
37	OLC02.1 VOA + 3	\$ 25	\$ 925
6	Total Chromium	8	48
6	Hexavalent Chromium	5	30

TOTAL DUE

\$ 1003

* Includes field samples and field duplicates, matrix spike/duplicates (3 sets volatiles, one each for chromium and hexachrome), and two cooler and five trip blanks.

Data Validation Services

120 Cobble Creek Road P.O. Box 208

North Creek, NY 12853

Phone 518-251-4429

Facsimile 518-251-4428

December 31, 2008

Marc Flanagan
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

RE: Validation of MRFA Malta Site Data Packages
CAS Sub Nos. R2845291 and R2846549

Dear Mr. Flanagan:

Review has been completed for the data packages generated by Columbia Analytical Services (CAS), pertaining to aqueous samples collected 8/6/08 and between 10/13/08 and 10/21/08 at the MRFA Malta Site. Twenty-four samples (including two field duplicates), cooler blanks, and trip blanks were processed for site-specific low level volatiles. Two of these, an additional sample, and a field duplicate were also analyzed for total and hexavalent chromium. Methodologies utilized are those of the USEPA OLC02.1, EPA CLP ILM and SW846 7196.

Data validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA 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/CRI 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 as reported, or with minor qualification of some of the volatile results as estimated, or with edit to non-detection. These are discussed in the following analytical sections.

Copies of laboratory identification summaries and case narratives are attached to this narrative, and should be reviewed in conjunction with this text. Data summary packages are also submitted with qualifiers applied in red ink to report forms.

Chain-of-Custody

The Effluent, Influent and field duplicate collected 8/6/08 were received at an elevated temperature of 17°C. The results for those three samples and the trip blank have been qualified as estimated in value ("UJ" or "J"), and may have a slight low bias.

The down-arrows were omitted from the collection date and matrix fields on the custody for samples collected 10/14/08.

Low Level Volatile Analyses

The results for analytes initially flagged as "E" by the laboratory are to be derived from the dilution analyses of the samples.

The detected result for acetone in SW-D is edited to reflect non-detection due to very poor mass spectral quality.

Three of the four trip blanks and the cooler blank from the October 2008 event show low-level contamination of acetone. The method blank associated with the samples collected in August 2008 also shows low acetone concentration. Therefore, all detected acetone results for the samples, with the exception of those for SW-D and SW-E (which was not associated with a contaminated blank), are therefore considered external contamination, and edited to reflect non-detection ("U"). The acetone detection in SW-E is also suspect as contamination, and should be used with caution.

The cooler blank associated with the August 2008 event shows low levels of dibromochloromethane and bromoform. All detections of those compounds in the samples in that event are considered contamination and have been edited to reflect non-detection.

Matrix spikes (MS and MSD) of MRFA-Influent (10/08), Influent (8/08), and M-27D (10/08) show acceptable accuracy and precision for the twelve analytes evaluated.

Volatile blind field duplicate correlations for MRFA-Effluent (10/08) and Effluent (8/08) are well within validation guidelines.

Acetone exhibited low relative response factors (RRFs) (inherent with the methodology) in the calibration standards associated with the August 2008 sample analyses. 2-Butanone and 1,2-dibromo-3-chloropropane show low RRFs in the calibration standards associated with the October 2008 analyses. The usability of those data is evidenced by spike recoveries and calibration standard responses, but the reporting limits and detected values for those compounds in the specific associated samples should be considered estimated ("UJ" or "J" qualifiers), possibly biased low.

The detections of carbon tetrachloride in SW-D and SW-E are qualified as estimated in value, with possible low bias, due to low response (25%D) in the associated continuing calibration standard.

The results for bromomethane in the following samples are qualified as estimated in value, with possible low bias, due to low responses (26%D) in the associated continuing calibration standards: MRFA-Influent, MRFA-Effluent, DUPE A, 14D, SW-B, M-29D, M-24D, M-33I, M-33S, DGC-4S, 11D, and Trip Blank

Some of the samples were analyzed at initial dilution due to target analyte concentrations. This results in elevated reporting limits for analytes not detected in the affected samples.

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

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 13D also shows good correlation.

The serial dilution evaluation of M-27D is not applicable due to low sample concentrations.

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.

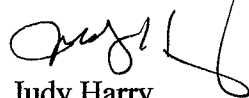
The matrix spike/lab duplicate accuracy and precision determinations were performed on M-27D, and show recovery and duplicate correlation within recommended limits.

The field duplicate correlation for 13D was also within guidelines.

Holding times were met. Reported results are substantiated by the raw data, and generated in compliance with required protocols.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Judy Harry', with a long, sweeping horizontal stroke extending to the right.

Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U** - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N** - The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ** - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ** - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**CLIENT and LABORATORY SAMPLE IDs
and CASE NARRATIVES**

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#: MRFA INFLUENT	BATCH COMPLETE: <u>yes</u>	DATE REVISED:
SUBMISSION R2846549	DISKETTE REQUESTED: Y <u>X</u> N <u> </u>	DATE DUE: 11/11/08
CLIENT: Shaw Environmental	DATE: 10/27/08	PROTOCOL: CLP
CLIENT REP: Carlton Beechler	CUSTODY SEAL: PRESENT/ABSENT: NA	SHIPPING No.:
PROJECT: GE MRFA PROJECT #129926	CHAIN OF CUSTODY: PRESENT/ABSENT: P	

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
1144399QC	MRFA INFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008			
1144400	MRFA EFFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008			
1144401	DUPE A	WATER	OLC2.1 VOA	10/13/2008	10/15/2008			
1144402	14D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008			
1144403	SW-B	WATER	OLC2.1 VOA,CR,CR6	10/14/2008	10/15/2008			
1144404	13D	WATER	CR,CR6	10/14/2008	10/15/2008			
1144405	DUPE B	WATER	CR,CR6	10/14/2008	10/15/2008			
1144406	M-29D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008			
1144407QC	M-27D	WATER	OLC2.1 VOA,CR,CR6	10/14/2008	10/15/2008			
1144408	M-24D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008			
1144409	M-33I	WATER	OLC2.1 VOA	10/14/2008	10/15/2008			
1144410	M-33S	WATER	OLC2.1 VOA	10/14/2008	10/15/2008			
1144411	11D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008			
1144412	TRIP BLANK	WATER	OLC2.1 VOA	10/14/2008	10/15/2008			
1144413	COOLER BLANK	WATER	OLC2.1 VOA	10/14/2008	10/15/2008			
1144856	DGC-4S	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
1144857	DGC-3S	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
1144858	SW-F	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
1144859	SW-G	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
1144860	SW-A	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
1144861	4D	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
1144862	M-25D	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
1144863	TRIP BLANK	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
1146625	SW-D	WATER	OLC2.1 VOA	10/21/2008	10/22/2008			
1146626	SW-E	WATER	OLC2.1 VOA	10/21/2008	10/22/2008			
1146627	TRIP BLANK	WATER	OLC2.1 VOA	10/21/2008	10/22/2008			

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #129926
SUBMISSION #: R2845271

Shaw samples were sampled on 8/6/08 and received at CAS on 8/8/08 in good condition, but over the required 1-6 degree C receipt temperature range.

VOLATILE ORGANICS

Three water samples and one trip blank were analyzed for Low Level Volatiles by OLC2.1 CLP methodology. A cooler blank was added to the SDG upon receipt.

Hits between the MDL and PQL are flagged with a "J" as estimated.

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the OLC 2.1 VOA analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Site specific QC was performed on samples INFLUENT and as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) were within acceptable range. The Relative Percent Differences between the MS/MSD were within limits. All Laboratory Control Sample recoveries were within limits.

Carbon Tetrachloride and Trichloroethene were detected in sample INFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution to bring the over-range compounds within the calibration range of the instrument. Both sets of data are reported.

The Laboratory Blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone. Affected data is "B" flagged.

The Cooler Blank and Trip Blank associated with these samples were free of contamination with the exception of low level hits of Dibromochloromethane and Bromoform in the Cooler Blank.

All samples were analyzed within CLP holding times.

No 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 hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:



000003

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #129926
SUBMISSION #: R2846549

Shaw samples were collected on 10/13-21/08 and received at CAS on 10/15-22/08 in good condition.

INORGANICS

Four water samples were analyzed for Chromium and Hexavalent Chromium. Please see attached data pages for method numbers.

Site specific QC was performed on M-27D. All MS and Blank spike recoveries were within limits. All RPD's were within limits.

No analytical or QC problems were encountered.

VOLATILE ORGANICS

Twenty three water samples and one cooler blank were analyzed for OLC 2.1 Volatiles by CLP methodology.

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

All internal standard areas were within QC limits.

All surrogate standard recoveries were within QC limits.

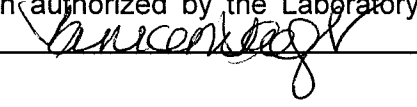
Site specific QC was performed on MRFA Influent and M-27D. All MS/MSD recoveries were within limits. All Reference spike recoveries were within limits. All RPD's were within limits.

Various compounds for M-25D have been flagged with an "E" as being outside the calibration range of the instrument. The sample was repeated at a dilution and both sets of data have been reported out.

The Laboratory blanks associated with these samples were free of contamination.

All samples were analyzed within required holding times.

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 hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature. 

September 4, 2008

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

Re: GE - MRFA
Submission # R2845291
SDG # INFLUENT

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of three water samples and one trip blank were received by our laboratory on August 8, 2008.


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. A copy of the data package and summary package has been mailed to Judy Harry. 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,

COLUMBIA ANALYTICAL SERVICES



Carlton R. Beechler
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853



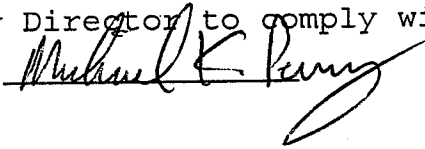
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Lab Submission # : R2845271
Contact Person : Carlton Beechler
Phone Number : (585) 288-5380
Reported : 09/03/08

Report Contains a total of 39 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. 

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #129926
SUBMISSION #: R2845271

Shaw samples were sampled on 8/6/08 and received at CAS on 8/8/08 in good condition, but over the required 1-6 degree C receipt temperature range.

VOLATILE ORGANICS

Three water samples and one trip blank were analyzed for Low Level Volatiles by OLC2.1 CLP methodology. A cooler blank was added to the SDG upon receipt.

Hits between the MDL and PQL are flagged with a "J" as estimated.

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the OLC 2.1 VOA analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Site specific QC was performed on samples INFLUENT and as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) were within acceptable range. The Relative Percent Differences between the MS/MSD were within limits. All Laboratory Control Sample recoveries were within limits.

Carbon Tetrachloride and Trichloroethene were detected in sample INFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution to bring the over-range compounds within the calibration range of the instrument. Both sets of data are reported.

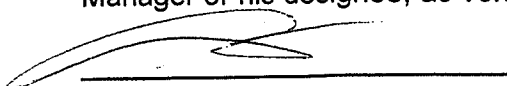
The Laboratory Blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone. Affected data is "B" flagged.

The Cooler Blank and Trip Blank associated with these samples were free of contamination with the exception of low level hits of Dibromochloromethane and Bromoform in the Cooler Blank.

All samples were analyzed within CLP holding times.

No 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 hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:



CAS ASP/CLP BATCHING FORM / LOGIN SHEET

[illegible]



ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).
- Q - for DoD only - indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is $\geq 100\%$ difference for the detected concentrations between the two GC columns.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.
- * - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved

Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR #

CAS Contact

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF 1

Project Name GE MRFA		Project Number 129926		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager Brian Neumann		Report CC Steve Meier, Judy Harry		PRESERVATIVE 1																	
Company/Address Shaw Environmental, Inc 13 British American Blvd Latham, NY 12110				NUMBER OF CONTAINERS 3	X	<div><div>GC/MS VOA's <input type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> CLP <input type="checkbox"/> OLCa1</div><div>GC/MS SVOA's <input type="checkbox"/> 8270 <input type="checkbox"/> 825 <input type="checkbox"/> CLP</div><div>GC VOA's <input type="checkbox"/> 8021 <input type="checkbox"/> 601/602</div><div>PESTICIDES <input type="checkbox"/> 8081 <input type="checkbox"/> 608 <input type="checkbox"/> CLP</div><div>PCB's <input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP</div><div>METALS, TOTAL (List in comments below)</div><div>METALS, DISSOLVED (List in comments below)</div></div>														Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____	
Phone # 518-783-1996		FAX# 518-783-8397				REMARKS/ ALTERNATE DESCRIPTION															
Sampler's Signature 		Sampler's Printed Name Marc Flanagan																			
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE TIME		MATRIX																	
Influent		8/6/08	900	GW	3	X															
Influent (MS)			905																		
Influent (MSD)			905																		
Dupe			-																		
Effluent			910																		
Trip Blank			-																		
SPECIAL INSTRUCTIONS/COMMENTS Metals * GAP OLC 2.1 YOAs plus hexachlorobutadiene, 1,2,3- trichlorobenzene, trichlorofluoro- methane					TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 24 hr ____ 48 hr ____ 5 day X STANDARD REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____					REPORT REQUIREMENTS ____ I. Results Only X II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data ____ V. Specialized Forms / Custom Report Edata ____ Yes ____ No					INVOICE INFORMATION PO# _____ BILL TO: _____ SUBMISSION #: _____						
See QAPP <input type="checkbox"/>																					
SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N																					
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 Marc Flanagan		Printed Name K. Cook		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm Shaw		Firm GE		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time 8/6/08 1500		Date/Time 8/8/08 1040		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							

SCOC-1102-08

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

Cooler Receipt And Preservation Check Form

 Subject/Client Shaw - GLE Submission Number R2-45271

 Cooler received on 8/8/08 by: LMX COURIER: CAS UPS FEDEX VELOCITY CLIENT

Were custody seals on outside of cooler?

YES NO

Were custody papers properly filled out (ink, signed, etc.)?

YES NO

Did all bottles arrive in good condition (unbroken)?

YES NO

Did any VOA vials have significant* air bubbles?

YES NO N/AWere Ice or Ice packs present? ALL MELTEDYES NO

Where did the bottles originate?

CAS/ROC, CLIENT

Temperature of cooler(s) upon receipt: 17°C

Is the temperature within 0° - 6° C?:

Yes

Yes

Yes

Yes

Yes

If No, Explain Below

No

No

No

No

No

Date/Time Temperatures Taken: 8/8/08 1040Thermometer ID: 161 / IR GUN#2 / IR GUN#3 Reading From: Temp Blank / Sample Bottle

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

PC Secondary Review: JMS 8/8/08Cooler Breakdown: Date: 8-8-08 by: ME

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								
≤2	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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	*	*	ESDA11	07/09				

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 8-116-003

Other Comments: _____

PC Secondary Review: JMS 9/3/08

*significant air bubbles are greater than 5-6 mm

000006

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U u.s	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	1	U	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	5	U	
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	
74-97-5	Bromochloromethane	1	U ✓	
67-66-3	Chloroform	5	J	
107-06-2	1,2-Dichloroethane	1	U u.s	
71-55-6	1,1,1-Trichloroethane	1	U u.s	
56-23-5	Carbon Tetrachloride	33 38	E J	
71-43-2	Benzene	1	U u.s	
79-01-6	Trichloroethene	50 56	E J	
78-87-5	1,2-Dichloropropane	1	U u.s	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U ✓	
124-48-1	Dibromochloromethane	1 0.2	U u.s	
106-93-4	1,2-Dibromoethane	1	U u.s	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	1 0.8	U ✓	
541-73-1	1,3-Dichlorobenzene	1	U u.s	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U	U
95-50-1	1,2-Dichlorobenzene	1	U	
96-12-8	1,2-Dibromo-3-chloropropane	1	U	
120-82-1	1,2,4-Trichlorobenzene	1	U	
87-68-3	Hexachlorobutadiene	1	U	
87-61-6	1,2,3-Trichlorobenzene	1	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124913 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1160.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
---------	---------------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124913 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1164.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		2	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		2	U
75-00-3	Chloroethane		2	U
75-69-4	Trichlorofluoromethane		2	U
75-35-4	1,1-Dichloroethene		2	U
67-64-1	Acetone		7	JBD
75-15-0	Carbon Disulfide		2	U
75-09-2	Methylene Chloride		2	U
156-60-5	trans-1,2-Dichloroethene		2	U
75-34-3	1,1-Dichloroethane		2	U
156-59-2	cis-1,2-Dichloroethene		2	U
78-93-3	2-Butanone		12	U
74-97-5	Bromochloromethane		2	U
67-66-3	Chloroform		5	D
107-06-2	1,2-Dichloroethane		2	U
71-55-6	1,1,1-Trichloroethane		2	U
56-23-5	Carbon Tetrachloride		33	D
71-43-2	Benzene		2	U
79-01-6	Trichloroethene		50	D
78-87-5	1,2-Dichloropropane		2	U
75-27-4	Bromodichloromethane		2	U
10061-01-5	cis-1,3-Dichloropropene		2	U
108-10-1	4-Methyl-2-Pentanone		12	U
108-88-3	Toluene		2	U
10061-02-6	trans-1,3-Dichloropropene		2	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		2	U
591-78-6	2-Hexanone		12	U
124-48-1	Dibromochloromethane		2	U
106-93-4	1,2-Dibromoethane		2	U
108-90-7	Chlorobenzene		2	U
100-41-4	Ethylbenzene		2	U
1330-20-7	(m+p) Xylene		2	U
1330-20-7	o-Xylene		2	U
100-42-5	Styrene		2	U
79-34-5	1,1,2,2-Tetrachloroethane		2	U
75-25-2	Bromoform		0.3	JD
541-73-1	1,3-Dichlorobenzene		2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124913 2.5
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1164.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		2	U
95-50-1	1,2-Dichlorobenzene		2	U
96-12-8	1,2-Dibromo-3-chloropropane		2	U
120-82-1	1,2,4-Trichlorobenzene		2	U
87-68-3	Hexachlorobutadiene		2	U
87-61-6	1,2,3-Trichlorobenzene		2	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124913 2.5
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1164.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	U
75-01-4	Vinyl Chloride	1	U	U
74-83-9	Bromomethane	1	U	U
75-00-3	Chloroethane	1	U	U
75-69-4	Trichlorofluoromethane	1	U	U
75-35-4	1,1-Dichloroethene	1	U	U
67-64-1	Acetone	5	U	U
75-15-0	Carbon Disulfide	1	U	U
75-09-2	Methylene Chloride	1	U	U
156-60-5	trans-1,2-Dichloroethene	1	U	U
75-34-3	1,1-Dichloroethane	1	U	U
156-59-2	cis-1,2-Dichloroethene	1	U	U
78-93-3	2-Butanone	5	U	U
74-97-5	Bromochloromethane	1	U	U
67-66-3	Chloroform	1	U	U
107-06-2	1,2-Dichloroethane	1	U	U
71-55-6	1,1,1-Trichloroethane	1	U	U
56-23-5	Carbon Tetrachloride	1	U	U
71-43-2	Benzene	1	U	U
79-01-6	Trichloroethene	0.1	U	U
78-87-5	1,2-Dichloropropane	1	U	U
75-27-4	Bromodichloromethane	1	U	U
10061-01-5	cis-1,3-Dichloropropene	1	U	U
108-10-1	4-Methyl-2-Pentanone	5	U	U
108-88-3	Toluene	1	U	U
10061-02-6	trans-1,3-Dichloropropene	1	U	U
79-00-5	1,1,2-Trichloroethane	1	U	U
127-18-4	Tetrachloroethene	1	U	U
591-78-6	2-Hexanone	5	U	U
124-48-1	Dibromochloromethane	1	U	U
106-93-4	1,2-Dibromoethane	1	U	U
108-90-7	Chlorobenzene	1	U	U
100-41-4	Ethylbenzene	1	U	U
1330-20-7	(m+p) Xylene	1	U	U
1330-20-7	o-Xylene	1	U	U
100-42-5	Styrene	1	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U	U
75-25-2	Bromoform	1	U	U
541-73-1	1,3-Dichlorobenzene	1	U	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/15/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124915 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1165.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	U
75-01-4	Vinyl Chloride	1	U	U
74-83-9	Bromomethane	1	U	U
75-00-3	Chloroethane	1	U	U
75-69-4	Trichlorofluoromethane	1	U	U
75-35-4	1,1-Dichloroethene	1	U	U
67-64-1	Acetone	5.2	JB	U
75-15-0	Carbon Disulfide	1	U	U
75-09-2	Methylene Chloride	1	U	U
156-60-5	trans-1,2-Dichloroethene	1	U	U
75-34-3	1,1-Dichloroethane	1	U	U
156-59-2	cis-1,2-Dichloroethene	1	U	U
78-93-3	2-Butanone	5	U	U
74-97-5	Bromochloromethane	1	U	U
67-66-3	Chloroform	1	U	U
107-06-2	1,2-Dichloroethane	1	U	U
71-55-6	1,1,1-Trichloroethane	1	U	U
56-23-5	Carbon Tetrachloride	1	U	U
71-43-2	Benzene	1	U	U
79-01-6	Trichloroethene	0.2	J	J
78-87-5	1,2-Dichloropropane	1	U	U
75-27-4	Bromodichloromethane	1	U	U
10061-01-5	cis-1,3-Dichloropropene	1	U	U
108-10-1	4-Methyl-2-Pentanone	5	U	U
108-88-3	Toluene	1	U	U
10061-02-6	trans-1,3-Dichloropropene	1	U	U
79-00-5	1,1,2-Trichloroethane	1	U	U
127-18-4	Tetrachloroethene	1	U	U
591-78-6	2-Hexanone	5	U	U
124-48-1	Dibromochloromethane	1.05	U	U
106-93-4	1,2-Dibromoethane	1	U	U
108-90-7	Chlorobenzene	1	U	U
100-41-4	Ethylbenzene	1	U	U
1330-20-7	(m+p) Xylene	1	U	U
1330-20-7	o-Xylene	1	U	U
100-42-5	Styrene	1	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U	U
75-25-2	Bromoform	1	U	U
541-73-1	1,3-Dichlorobenzene	1	U	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/14/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U <u>U</u>
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U <u>U</u>

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124916 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1159.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/14/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U	✓
95-50-1	1,2-Dichlorobenzene	1	U	✓
96-12-8	1,2-Dibromo-3-chloropropane	1	U	✓
120-82-1	1,2,4-Trichlorobenzene	1	U	✓
87-68-3	Hexachlorobutadiene	1	U	✓
87-61-6	1,2,3-Trichlorobenzene	1	U	✓

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124917 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1158.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		0.2	J
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		0.6	J
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/15/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1124918 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1166.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/15/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	LCS	102	0
02	VBLK	98	0
03	TRIP BLANK	98	0
04	EFFLUENT	96	0
05	INFLUENT	97	0
06	INFLUENTMS	103	0
07	INFLUENTMSD	104	0
08	INFLUENTDL	97	0
09	DUPE	97	0
10	COOLER BLK	98	0

SMC1 = 4-Bromofluorobenzene

QC LIMITS
(80-120)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix Spike - EPA Sample No INFLUENT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.2	104	60 - 140
1,2-Dichloroethane	5.0	0.0	5.2	104	60 - 140
Carbon Tetrachloride	5.0	38	43	100	60 - 140
Benzene	5.0	0.0	5.3	106	60 - 140
Trichloroethene	5.0	56	60	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.1	102	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.2	104	60 - 140
1,2-Dibromoethane	5.0	0.0	5.2	104	60 - 140
Bromoform	5.0	0.56	5.7	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Vinyl Chloride	5.0	5.2	104	0	30	60 - 140
1,2-Dichloroethane	5.0	5.1	102	2	30	60 - 140
Carbon Tetrachloride	5.0	42	80	22	30	60 - 140
Benzene	5.0	5.3	106	0	30	60 - 140
Trichloroethene	5.0	60	80	0	30	60 - 140
1,2-Dichloropropane	5.0	5.5	110	4	30	60 - 140
cis-1,3-Dichloropropene	5.0	5.1	102	0	30	60 - 140
1,1,2-Trichloroethane	5.0	5.8	116	11	30	60 - 140
Tetrachloroethene	5.0	5.2	104	0	30	60 - 140
1,2-Dibromoethane	5.0	5.2	104	0	30	60 - 140
Bromoform	5.0	5.5	98	4	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	0	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1129971 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1161.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/14/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	6	
67-66-3	Chloroform	11	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	43	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	60	E
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	6	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	6	
75-25-2	Bromoform	6	
541-73-1	1,3-Dichlorobenzene	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1129971 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1161.D
Level: (low/med) LOW Date Received: 8/8/08
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1129972 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1162.D
 Level: (low/med) LOW Date Received: 8/8/08
 % Moisture: not dec. _____ Date Analyzed: 8/14/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	6	
67-66-3	Chloroform	11	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	42	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	60	E
78-87-5	1,2-Dichloropropane	6	
75-27-4	Bromodichloromethane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	6	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	6	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	6	
541-73-1	1,3-Dichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129972 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1162.D

Level: (low/med) LOW Date Received: 8/8/08

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix Spike - EPA Sample No LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.8	96	60 - 140
1,2-Dichloroethane	5.0	0.0	5.2	104	60 - 140
Carbon Tetrachloride	5.0	0.0	5.0	100	60 - 140
Benzene	5.0	0.0	5.1	102	60 - 140
Trichloroethene	5.0	0.0	5.3	106	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.4	108	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.3	106	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.2	104	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129970 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1155.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	6	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	25	
75-15-0	Carbon Disulfide	23	
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	25	
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	27	
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	25	
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Matrix: (soil/water) WATER Lab Sample ID: 1129970 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1155.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 8/14/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Lab File ID: W1157.D Lab Sample ID: 1129969 1.0
 Date Analyzed: 8/14/08 Time Analyzed: 21:00
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N
 Instrument ID: GCMS#6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	1129970 1.0	W1155.D	19:52
02	TRIP BLANK	1124917 1.0	W1158.D	21:36
03	EFFLUENT	1124916 1.0	W1159.D	22:11
04	INFLUENT	1124913 1.0	W1160.D	22:47
05	INFLUENTMS	1129971 1.0	W1161.D	23:22
06	INFLUENTMSD	1129972 1.0	W1162.D	23:58
07	INFLUENTDL	1124913 2.5	W1164.D	1:09
08	DUPE	1124915 1.0	W1165.D	1:44
09	COOLER BLK	1124918 1.0	W1166.D	2:19

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK

Lab Name: CAS/ROCH Contract: IT Latham

Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent

Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 8/14/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK

Lab Name: CAS/ROCH Contract: IT Latham
Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
Matrix: (soil/water) WATER Lab Sample ID: 1129969 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W1157.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 8/14/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Lab File ID: W1146.D BFB Injection Date: 8/14/08
 Instrument ID: GCMS#6 BFB Injection Time: 14:28
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.8
75	30.0 - 66.0% of mass 95	54.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	106.4
175	4.0 - 9.0% of mass 174	8.0 (7.5)1
176	93.0 - 101.0% of mass 174	101.7 (95.6)1
177	5.0 - 9.0% of mass 176	5.8 (5.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001 / 5	VSTD001 / 5	W1148.D	8/14/08	15:42
02	VSTD002 / 10	VSTD002 / 10	W1149.D	8/14/08	16:18
03	VSTD010 / 50	VSTD010 / 50	W1151.D	8/14/08	17:44
04	VSTD005 / 25	VSTD005 / 25	W1152.D	8/14/08	18:19
05	VSTD025 / 125	VSTD025 / 125	W1153.D	8/14/08	18:51
06	LCS	1129970 1.0	W1155.D	8/14/08	19:52
07	VBLK	1129969 1.0	W1157.D	8/14/08	21:00
08	TRIP BLANK	1124917 1.0	W1158.D	8/14/08	21:36
09	EFFLUENT	1124916 1.0	W1159.D	8/14/08	22:11
10	INFLUENT	1124913 1.0	W1160.D	8/14/08	22:47
11	INFLUENTMS	1129971 1.0	W1161.D	8/14/08	23:22
12	INFLUENTMSD	1129972 1.0	W1162.D	8/14/08	23:58
13	INFLUENTDL	1124913 2.5	W1164.D	8/15/08	1:09
14	DUPE	1124915 1.0	W1165.D	8/15/08	1:44
15	COOLER BLK	1124918 1.0	W1166.D	8/15/08	2:19

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT Latham
 Lab Code: 10145 Case No.: R8-45271 SAS No.: _____ SDG No.: Influent
 Lab File ID (Standard): W1152.D Date Analyzed: 8/14/08
 Instrument ID: GCMS#6 Time Analyzed: 18:19
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		578770	5.73	471240	8.74	235125	10.81
UPPER LIMIT		1157540	6.23	942480	9.24	470250	11.31
LOWER LIMIT		289385	5.23	235620	8.24	117563	10.31
EPA SAMPLE NO.							
01	LCS	605296	5.73	485757	8.74	244433	10.80
02	VBLK	608870	5.73	501668	8.74	233714	10.81
03	TRIP BLANK	598119	5.73	503733	8.74	242645	10.81
04	EFFLUENT	605223	5.73	498177	8.74	228929	10.81
05	INFLUENT	603136	5.73	476009	8.74	226552	10.81
06	INFLUENTMS	604759	5.73	491691	8.74	252568	10.81
07	INFLUENTMSD	610568	5.73	497567	8.74	255808	10.80
08	INFLUENTDL	605959	5.73	499894	8.74	241772	10.81
09	DUPE	600333	5.73	489204	8.74	234242	10.81
10	COOLER BLK	604469	5.73	496406	8.74	232988	10.80

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

December 12, 2008

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

Re: GE MRFA Project #129926
Submission # R2846549

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of twenty five samples were received by our laboratory on October 15-22, 2008.

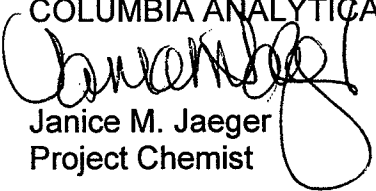
Any problems encountered with this project are addressed in a case narrative section which is presented later in this report.

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 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,

COLUMBIA ANALYTICAL SERVICES



Janice M. Jaeger
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853

Report contains a total of 145 pages



1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Lab Submission # : R2846549
Contact Person : Carlton Beechler
Phone Number : (585) 288-5380
Reported : 12/18/08

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. *Michael K. Ren*

00002

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #129926
SUBMISSION #: R2846549

Shaw samples were collected on 10/13-21/08 and received at CAS on 10/15-22/08 in good condition.

INORGANICS

Four water samples were analyzed for Chromium and Hexavalent Chromium. Please see attached data pages for method numbers.

Site specific QC was performed on M-27D. All MS and Blank spike recoveries were within limits. All RPD's were within limits.

No analytical or QC problems were encountered.

VOLATILE ORGANICS

Twenty three water samples and one cooler blank were analyzed for OLC 2.1 Volatiles by CLP methodology.

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

All internal standard areas were within QC limits.

All surrogate standard recoveries were within QC limits.

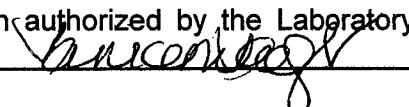
Site specific QC was performed on MRFA Influent and M-27D. All MS/MSD recoveries were within limits. All Reference spike recoveries were within limits. All RPD's were within limits.

Various compounds for M-25D have been flagged with an "E" as being outside the calibration range of the instrument. The sample was repeated at a dilution and both sets of data have been reported out.

The Laboratory blanks associated with these samples were free of contamination.

All samples were analyzed within required holding times.

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 hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature. 

00003

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#: MRFA INFLUENT		BATCH COMPLETE: <u>yes</u>		DATE REVISED:					
SUBMISSION R2846549		DISKETTE REQUESTED: Y <u>X</u> N <u> </u>		DATE DUE: 11/11/08					
CLIENT: Shaw Environmental		DATE: 10/27/08		PROTOCOL: CLP					
CLIENT REP: Carlton Beechler		CUSTODY SEAL: PRESENT/ABSENT: NA		SHIPPING No.:					
PROJECT: GE MRFA PROJECT #129926		CHAIN OF CUSTODY: PRESENT/ABSENT: P							
CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS	AMPLE CONDITION
1144399QC	MRFA INFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
1144400	MRFA EFFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
1144401	DUPE A	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
1144402	14D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144403	SW-B	WATER	OLC2.1 VOA,CR,CR6	10/14/2008	10/15/2008				
1144404	13D	WATER	CR,CR6	10/14/2008	10/15/2008				
1144405	DUPE B	WATER	CR,CR6	10/14/2008	10/15/2008				
1144406	M-29D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144407QC	M-27D	WATER	OLC2.1 VOA,CR,CR6	10/14/2008	10/15/2008				
1144408	M-24D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144409	M-33I	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144410	M-33S	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144411	11D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144412	TRIP BLANK	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144413	COOLER BLANK	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144856	DGC-4S	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144857	DGC-3S	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144858	SW-F	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144859	SW-G	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144860	SW-A	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144861	4D	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144862	M-25D	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1144863	TRIP BLANK	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
1146625	SW-D	WATER	OLC2.1 VOA	10/21/2008	10/22/2008				
1146626	SW-E	WATER	OLC2.1 VOA	10/21/2008	10/22/2008				
1146627	TRIP BLANK	WATER	OLC2.1 VOA	10/21/2008	10/22/2008				

ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).
- Q - for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is \geq 100% difference for the detected concentrations between the two GC columns.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.
- * - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.



CAS/Rochester Lab ID # for State Certifications¹

NELAP Accredited
 Delaware Accredited
 Connecticut ID # PH0556
 Florida ID # E87674
 Illinois ID #200047
 Maine ID #NY0032
 Massachusetts ID # M-NY032
 Navy Facilities Engineering Service Center Approved

Nebraska Accredited
 Nevada ID # NY-00032
 New Jersey ID # NY004
 New York ID # 10145
 New Hampshire ID # 294100 A/B
 Pennsylvania ID# 68-786
 Rhode Island ID # 158
 West Virginia ID # 292

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com.

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL). This qualifier may also be used to indicate that there was contamination above the reporting limit in the associated blank. See Narrative for details.
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- D - Spike was diluted out
- E - The reported value is estimated because the serial dilution did not meet criteria.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AF" for Automated Cold Vapor Atomic Fluorescence Spectrometry
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.



CAS/Rochester Lab ID # for State Certifications¹

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved

Nebraska Accredited
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID # 68-786
Rhode Island ID # 158
West Virginia ID # 292

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 2 OF 2

SR #

CAS Contact

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																					
Project Manager		Report CC		PRESERVATIVE																					
Company/Address				<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p style="transform: rotate(-90deg); transform-origin: left top;">NUMBER OF CONTAINERS</p> <p>GC/MS VOA's <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP</p> <p>GC/MS SVOA's <input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP</p> <p>GC VOA's <input type="checkbox"/> 8021 <input type="checkbox"/> 601/602</p> <p>PESTICIDES <input type="checkbox"/> 8081 <input type="checkbox"/> 608 <input type="checkbox"/> CLP</p> <p>PCBs <input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP</p> <p>METALS, TOTAL (List in comments below)</p> <p>METALS, DISSOLVED (List in comments below)</p> <p>OLC 2.1 VOAs</p> <p>Cr</p> <p>Cr+6</p> </div> <div style="width: 55%;"> <p>Preservative Key</p> <p>0. NONE</p> <p>1. HCL</p> <p>2. HNO₃</p> <p>3. H₂SO₄</p> <p>4. NaOH</p> <p>5. Zn. Acetate</p> <p>6. MeOH</p> <p>7. NaHSO₄</p> <p>8. Other _____</p> </div> </div>																					
Phone #		FAX#																							
Sampler's Signature		Sampler's Printed Name																							
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX																					
M-27D		10/14/08	1445	5																					
M-27D (MS)			1447	5																					
M-27D (MSD)			1447	5																					
M-24D			1200	3																					
M-33I			1255	3																					
M-33S			1240	3																					
IID			1220	3																					
Trip Blank			-	3																					
SPECIAL INSTRUCTIONS/COMMENTS Metals CLP 2.1 VOAs plus hexachlorobutadiene 1,2,3 - trichlorobenzene, trichlorofluoromethane					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 5 day <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/>				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) <input checked="" type="checkbox"/> III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report				INVOICE INFORMATION PO# BILL TO: SUBMISSION #:												
					REQUESTED FAX DATE REQUESTED REPORT DATE																				
SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____					CUSTODY SEALS: Y N																				
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY				RECEIVED BY													
Signature <i>M.Flanagan</i>		Signature <i>John Pindt</i>		Signature		Signature		Signature				Signature													
Printed Name M.Flanagan		Printed Name John Pindt		Printed Name		Printed Name		Printed Name				Printed Name													
Firm Shaw		Firm CAS		Firm		Firm		Firm				Firm													
Date/Time 10/14/08 1700		Date/Time 10/15/08 935		Date/Time		Date/Time		Date/Time				Date/Time													

Cooler Receipt And Preservation Check Form

Project/Client Shaw Submission Number 228-46549

Cooler received on 10/15/08 by: AF COURIER: CAS 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 any VOA vials have significant* air bubbles? YES NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? CAS/ROC CLIENT
7. Temperature of cooler(s) upon receipt: 3°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 10/16/08 1015

Thermometer ID: 161 / IR GUN#2 / IR GUN#3 Reading From: Temp Blank / Sample Bottle

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

PC Secondary Review: SM 10/18/07

Cooler Breakdown: Date: 10/16/08 by: KMC

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	X		<u>20087A</u>	<u>09/09</u>				
≤2	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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>230A11</u>	<u>09/09</u>				

Yes = All samples OK

No = Samples were preserved at lab as listed.

PM OK to Adjust: _____

Bottle lot numbers: 8-212-002, 033902

Other Comments: _____

PC Secondary Review: SM 11/4/08

*significant air bubbles are greater than 5-6 mm

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR #

CAS Contact

Project Name GE MRFA		Project Number 129926		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager Brian Neumann		Report CC Steve Meier, Judy Harry		PRESERVATIVE																	
Company/Address Shaw Environmental, Inc 13 British American Blvd Latham, NY 12110				NUMBER OF CONTAINERS	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>GC/MS VOA's <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP</p> <p>GC/MS SVOA's <input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP</p> <p>GC VOA's <input type="checkbox"/> 8021 <input type="checkbox"/> 601/602</p> <p>PESTICIDES <input type="checkbox"/> 8081 <input type="checkbox"/> 608 <input type="checkbox"/> CLP</p> <p>PCB's <input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP</p> <p>METALS, TOTAL (List in comments below)</p> <p>METALS, DISSOLVED (List in comments below)</p> <p>OLC 2.1 VOAs</p> </div> <div style="width: 35%;"> <p>Preservative Key</p> <ol style="list-style-type: none"> 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____ </div> </div>																
Phone # 518-783-1996		FAX# 518-783-8397																			
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name M Flanagan																			
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX																	
DGC-4S		10/15/08	845	GW	3	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"></div> <div style="width: 35%;"></div> </div>															
DGC-3S			920																		
SW-F			1120																		
SW-G			1145																		
SW-A			1215																		
4D			1325																		
M-25D			1410																		
Trip Blank																					
SPECIAL INSTRUCTIONS/COMMENTS Metals OLC 2.1 VOAs plus 3 other cmpds					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 5 day <input type="checkbox"/> <input checked="" type="checkbox"/> STANDARD REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____					REPORT REQUIREMENTS I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata <input type="checkbox"/> Yes <input type="checkbox"/> No					INVOICE INFORMATION PO# _____ BILL TO: _____ SUBMISSION #: _____						
SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N																					
RELINQUISHED BY Signature <i>[Signature]</i> Printed Name JOHN MAYER Firm SHAW Date/Time 10-15-08					RECEIVED BY Signature <i>[Signature]</i> Printed Name Holly Pencil Firm CAS Date/Time 10/16/08 1000					RELINQUISHED BY Signature _____ Printed Name _____ Firm _____ Date/Time _____					RECEIVED BY Signature _____ Printed Name _____ Firm _____ Date/Time _____						

Cooler Receipt And Preservation Check Form

 Project/Client Shaw Submission Number R-224
R28 416549
Cooler received on 10/16/08 by: HP COURIER: CAS ~~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 any VOA vials have significant* air bubbles? YES, ~~NO~~ N/A
5. Were Ice or Ice packs present? ~~YES~~ NO
6. Where did the bottles originate? ~~CAS/ROS~~ CLIENT
7. Temperature of cooler(s) upon receipt: 4°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 10/16/08 1035Thermometer ID: 161 / IR GUN#2 / ~~IR GUN#3~~ Reading From: ~~Temp Blank~~ Sample Bottle

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

PC Secondary Review: JMS 10/16/08Cooler Breakdown: Date: 10/16/08 by: HP

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								
≤2	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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>ES0911</u>	<u>09/09</u>				

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 8-212-002

Other Comments: _____

PC Secondary Review: JMS 11/4/08

*significant air bubbles are greater than 5-6 mm

Cooler Receipt And Preservation Check Form

Project/Client shaw Submission Number R2846549Cooler received on 10/22/08 by: AP COURIER: CAS 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 any VOA vials have significant* air bubbles? YES, NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? CAS/ROD, CLIENT
7. Temperature of cooler(s) upon receipt: 2°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 10/22/08 1017Thermometer ID: 161 / IR GUN#2 / IR GUN#3 Reading From: Temp Blank / Sample Bottle

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

PC Secondary Review: 10/22/08Cooler Breakdown: Date: 10/22/08 by: sh

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								
≤2	H ₂ SO ₄								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	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>E50A11</u>					

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 8-212-002

Other Comments:

PC Secondary Review: 11/4/08 *significant air bubbles are greater than 5-6 mm

00013

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Influent

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144399 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2448.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.5 2.5 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U <u>UJ</u>
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	<u>12.8</u>	<u>UJ</u>
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	12	<u>UJ</u>
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	7	
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	48	
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	60	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Influent

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144399 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2448.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.5 >L 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		2	U
95-50-1	1,2-Dichlorobenzene		2	U
96-12-8	1,2-Dibromo-3-chloropropane		2	U <u>UJ</u>
120-82-1	1,2,4-Trichlorobenzene		2	U
87-68-3	Hexachlorobutadiene		2	U
87-61-6	1,2,3-Trichlorobenzene		2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA Influent

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144399 2.5
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2448.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.5 DL 12-2-8
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Effluent

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144400 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2447.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U <i>u</i>
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	<i>5 2</i>	<i>U</i>
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U <i>u</i>
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	0.1	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.2	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA Effluent

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144400 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2447.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U <u>45</u>
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA Effluent

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144400 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2447.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144401 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2449.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U <i>UJ</i>
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	<i>5.2</i>	<i>UJ</i>
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U <i>UJ</i>
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	0.1	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.2	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144401 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2449.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U <i>uJ</i>
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE A

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144401 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2449.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144402 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2450.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U u
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5 x	U u
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U u
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144402 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2450.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

14D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144402 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2450.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-B

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144403 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2451.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	1	U	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	5.2	U	
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	
74-97-5	Bromochloromethane	1	U	
67-66-3	Chloroform	1	U	
107-06-2	1,2-Dichloroethane	1	U	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	1	U	
71-43-2	Benzene	1	U	
79-01-6	Trichloroethene	1	U	
78-87-5	1,2-Dichloropropane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-B

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144403 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2451.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U <i>UKJ</i>
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-B

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1144403 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2451.D

Level: (low/med) LOW

Date Received: 10/15/08

% Moisture: not dec. _____

Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144406 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2452.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.0 PL 12-2-8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	U	
75-01-4	Vinyl Chloride	2	U	
74-83-9	Bromomethane	2	U	UJ
75-00-3	Chloroethane	2	U	
75-69-4	Trichlorofluoromethane	2	U	
75-35-4	1,1-Dichloroethene	2	U	
67-64-1	Acetone	10	U	UJ
75-15-0	Carbon Disulfide	2	U	
75-09-2	Methylene Chloride	2	U	
156-60-5	trans-1,2-Dichloroethene	2	U	
75-34-3	1,1-Dichloroethane	2	U	
156-59-2	cis-1,2-Dichloroethene	0.3	J	
78-93-3	2-Butanone	10	U	UJ
74-97-5	Bromochloromethane	2	U	
67-66-3	Chloroform	2		
107-06-2	1,2-Dichloroethane	2	U	
71-55-6	1,1,1-Trichloroethane	4		
56-23-5	Carbon Tetrachloride	32		
71-43-2	Benzene	2	U	
79-01-6	Trichloroethene	10		
78-87-5	1,2-Dichloropropane	2	U	
75-27-4	Bromodichloromethane	2	U	
10061-01-5	cis-1,3-Dichloropropene	2	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	2	U	
10061-02-6	trans-1,3-Dichloropropene	2	U	
79-00-5	1,1,2-Trichloroethane	2	U	
127-18-4	Tetrachloroethene	2	U	
591-78-6	2-Hexanone	10	U	
124-48-1	Dibromochloromethane	2	U	
106-93-4	1,2-Dibromoethane	2	U	
108-90-7	Chlorobenzene	2	U	
100-41-4	Ethylbenzene	2	U	
1330-20-7	(m+p) Xylene	2	U	
1330-20-7	o-Xylene	2	U	
100-42-5	Styrene	2	U	
79-34-5	1,1,2,2-Tetrachloroethane	2	U	
75-25-2	Bromoform	2	U	
541-73-1	1,3-Dichlorobenzene	2	U	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-29D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144406 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2452.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 \times 12-2-8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U \checkmark
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-29D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144406 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2452.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.0 DL 12-2-8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144407 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2474.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	0.3	J	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	51	U	
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	
74-97-5	Bromochloromethane	1	U	
67-66-3	Chloroform	0.6	J	
107-06-2	1,2-Dichloroethane	1	U	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	9		
71-43-2	Benzene	1	U	
79-01-6	Trichloroethene	11		
78-87-5	1,2-Dichloropropane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27D

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144407 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2474.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U (✓)
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-27D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144407 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2474.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144408 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2453.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	UJ
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	1	U	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	5	U	
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	UJ
74-97-5	Bromochloromethane	1	U	
67-66-3	Chloroform	0.3	J	
107-06-2	1,2-Dichloroethane	1	U	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	10		
71-43-2	Benzene	1	U	
79-01-6	Trichloroethene	1	U	
78-87-5	1,2-Dichloropropane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144408 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2453.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/22/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U u
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-24D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144408 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2453.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33I

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144409 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2454.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U <i>us</i>
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U <i>us</i>
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33I

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144409 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2454.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U <i>ll</i>
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33I

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144409 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2454.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144410 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2455.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	U
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	1	U	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	5	U	
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	U
74-97-5	Bromochloromethane	1	U	
67-66-3	Chloroform	1	U	
107-06-2	1,2-Dichloroethane	1	U	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	1	U	
71-43-2	Benzene	1	U	
79-01-6	Trichloroethene	1	U	
78-87-5	1,2-Dichloropropane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144410 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2455.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U <i>45</i>
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33S

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144410 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2455.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144411 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2456.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U <i>UJ</i>
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		<i>5</i> 2	<i>UJ</i>
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	<i>UJ</i>
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		2	
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		10	
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		2	
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144411 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2456.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

11D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144411 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2456.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144412 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2457.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U ₄₅
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U ₄₅
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144412 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2457.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144412 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2457.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144413 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2480.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144413 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2480.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U (1)
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144413 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2480.D
Level: (low/med) LOW Date Received: 10/15/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-4S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144856 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2458.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U <i>U</i>
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 <i>1</i>	<i>U</i>
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U <i>U</i>
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144856 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2458.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U (u)
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-4SLab Name: CAS ROCHContract: IT-LathamLab Code: 10145Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INFMatrix: (soil/water) WATERLab Sample ID: 1144856 1.0Sample wt/vol: 25.0 (g/ml) MLLab File ID: W2458.DLevel: (low/med) LOWDate Received: 10/16/08

% Moisture: not dec. _____

Date Analyzed: 10/23/08GC Column: DB-VRX ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144857 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2467.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	UUS
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144857 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2467.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	UU ✓
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144857 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2467.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-F

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144858 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2468.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5 4	54
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U 45
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-F

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INFMatrix: (soil/water) WATER Lab Sample ID: 1144858 1.0Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2468.DLevel: (low/med) LOW Date Received: 10/16/08% Moisture: not dec. _____ Date Analyzed: 10/23/08GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	UUJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-F

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144858 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2468.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-G

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144859 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2469.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5 X	SK
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U/L
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-G

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144859 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2469.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U <i>UJ</i>
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-G

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144859 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2469.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-A

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144860 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2470.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	1	U	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	5	X	JK
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	JK
74-97-5	Bromochloromethane	1	U	
67-66-3	Chloroform	1	U	
107-06-2	1,2-Dichloroethane	1	U	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	1	U	
71-43-2	Benzene	1	U	
79-01-6	Trichloroethene	1	U	
78-87-5	1,2-Dichloropropane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-A

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144860 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2470.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U <i>uJ</i>
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-A

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1144860 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2470.D

Level: (low/med) LOW

Date Received: 10/16/08

% Moisture: not dec. _____

Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg)

UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144861 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2471.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

4D

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144861 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2471.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	UUS
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144861 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2471.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144862 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2472.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.5 DL 12-2-8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		2	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		2	U
75-00-3	Chloroethane		2	U
75-69-4	Trichlorofluoromethane		2	U
75-35-4	1,1-Dichloroethene		2	U
67-64-1	Acetone		10 8	U J
75-15-0	Carbon Disulfide		2	U
75-09-2	Methylene Chloride		2	U
156-60-5	trans-1,2-Dichloroethene		2	U
75-34-3	1,1-Dichloroethane		2	U
156-59-2	cis-1,2-Dichloroethene		0.7	J
78-93-3	2-Butanone		12	U (K)
74-97-5	Bromochloromethane		2	U
67-66-3	Chloroform		4	
107-06-2	1,2-Dichloroethane		2	U
71-55-6	1,1,1-Trichloroethane		2	U
56-23-5	Carbon Tetrachloride		52	
71-43-2	Benzene		2	U
79-01-6	Trichloroethene		79 78	U E
78-87-5	1,2-Dichloropropane		2	U
75-27-4	Bromodichloromethane		2	U
10061-01-5	cis-1,3-Dichloropropene		2	U
108-10-1	4-Methyl-2-Pentanone		12	U
108-88-3	Toluene		2	U
10061-02-6	trans-1,3-Dichloropropene		2	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		2	U
591-78-6	2-Hexanone		12	U
124-48-1	Dibromochloromethane		2	U
106-93-4	1,2-Dibromoethane		2	U
108-90-7	Chlorobenzene		2	U
100-41-4	Ethylbenzene		2	U
1330-20-7	(m+p) Xylene		2	U
1330-20-7	o-Xylene		2	U
100-42-5	Styrene		2	U
79-34-5	1,1,2,2-Tetrachloroethane		2	U
75-25-2	Bromoform		2	U
541-73-1	1,3-Dichlorobenzene		2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-25D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1144862 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2472.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.5 PL 12-2-8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U ✓
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-25DLab Name: CAS ROCHContract: IT-LathamLab Code: 10145Case No.: R8-46549

SAS No.: _____

SDG No.: MRFA INFMatrix: (soil/water) WATERLab Sample ID: 1144862 2.5Sample wt/vol: 25.0 (g/ml) MLLab File ID: W2472.DLevel: (low/med) LOWDate Received: 10/16/08

% Moisture: not dec. _____

Date Analyzed: 10/23/08GC Column: DB-VRX ID: 0.18 (mm)Dilution Factor: ~~1.0~~ 2.5 21 12-2-8

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144863 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2473.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1144863 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2473.D
 Level: (low/med) LOW Date Received: 10/16/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1144863 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2473.D
Level: (low/med) LOW Date Received: 10/16/08
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-D

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146625 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2679.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U <i>UJ</i>
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	<i>5</i> 2	<i>UJ</i>
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	<i>UJ</i>
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	0.3	<i>J</i>
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-D

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1146625 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2679.D
 Level: (low/med) LOW Date Received: 10/22/08
 % Moisture: not dec. _____ Date Analyzed: 10/30/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-D

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1146625 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2679.D
Level: (low/med) LOW Date Received: 10/22/08
% Moisture: not dec. _____ Date Analyzed: 10/30/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-E

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146626 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2680.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	UU
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		0.1	J
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	UU
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		0.1	J
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-E

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146626 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2680.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-E

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1146626 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2680.D
Level: (low/med) LOW Date Received: 10/22/08
% Moisture: not dec. _____ Date Analyzed: 10/30/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1146627 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2681.D
 Level: (low/med) LOW Date Received: 10/22/08
 % Moisture: not dec. _____ Date Analyzed: 10/30/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	1	U	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	5	U	
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	U
74-97-5	Bromochloromethane	1	U	
67-66-3	Chloroform	1	U	
107-06-2	1,2-Dichloroethane	1	U	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	1	U	
71-43-2	Benzene	1	U	
79-01-6	Trichloroethene	1	U	
78-87-5	1,2-Dichloropropane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1146627 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2681.D

Level: (low/med) LOW Date Received: 10/22/08

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-46549

SAS No.:

SDG No.: MRFA INF

Matrix: (soil/water) WATER

Lab Sample ID: 1146627 1.0

Sample wt/vol: 25.0 (g/ml) ML

Lab File ID: W2681.D

Level: (low/med) LOW

Date Received: 10/22/08

% Moisture: not dec.

Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

13D

Contract: R2846549

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MRFA INFLUENT

Matrix (soil/water): WATER Lab Sample ID: 1144404

Level (low/med): LOW Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	7.3	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUPE B

Contract: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

Matrix (soil/water): WATER Lab Sample ID: 1144405

Level (low/med): LOW Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	10.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

M-27D

Contract: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

Matrix (soil/water): WATER Lab Sample ID: 1144407

Level (low/med): LOW Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.810	B		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: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

Matrix (soil/water): WATER Lab Sample ID: 1144403

Level (low/med): LOW Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.596	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

COLUMBIA ANALYTICAL SERVICES

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

Client Sample ID : SW-B

Date Sampled : 10/14/08 15:05

Order #: 1144403

Sample Matrix: WATER

Date Received: 10/15/08

Submission #: R2846549

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08	11:17	1.0

00096

COLUMBIA ANALYTICAL SERVICES

Reported: 12/04/08

Shaw Environmental
Project Reference: GE MRFA PROJECT #129926
Client Sample ID : 13D

Date Sampled : 10/14/08 14:15	Order #: 1144404	Sample Matrix: WATER
Date Received: 10/15/08	Submission #: R2846549	

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08	11:17	1.0

00097

COLUMBIA ANALYTICAL SERVICES

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

Client Sample ID : DUPE B

Date Sampled : 10/14/08

Order #: 1144405

Sample Matrix: WATER

Date Received: 10/15/08

Submission #: R2846549

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08	11:17	1.0

00098

COLUMBIA ANALYTICAL SERVICES

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

Client Sample ID : M-27D

Date Sampled : 10/14/08 14:45

Order #: 1144407

Sample Matrix: WATER

Date Received: 10/15/08

Submission #: R2846549

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08	11:17	1.0

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2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	VBLK01	95	0
02	LCS01	107	0
03	MRFA EFFLUENT	100	0
04	MRFA INFLUENT	95	0
05	DUPE A	94	0
06	14D	94	0
07	SW-B	97	0
08	M-29D	100	0
09	M-24D	95	0
10	M-33I	94	0
11	M-33S	96	0
12	11D	96	0
13	TRIP BLANK	97	0
14	DGC-4S	96	0
15	MRFA INFLUENT	110	0
16	MRFA INFLUENT	111	0
17	LCS02	111	0
18	VBLK02	98	0
19	DGC-3S	100	0
20	SW-F	98	0
21	SW-G	101	0
22	SW-A	98	0
23	4D	100	0
24	M-25D	101	0
25	TRIP BLANK	99	0
26	M-27D	99	0
27	M-27DMS	110	0
28	M-27DMSD	109	0
29	M-25DDL	97	0
30	COOLER BLK	98	0
31	LCS03	111	0
32	VBLK03	105	0
33	SW-D	102	0

(MS)
(MSD)

SMC1 = 4-Bromofluorobenzene

QC LIMITS
(80-120)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

	EPA SAMPLE NO.	SMC1 #	TOT OUT
34	SW-E	105	0
35	TRIP BLANK	107	0

QC LIMITS
(80-120)

SMC1 = 4-Bromofluorobenzene

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

METALS
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: R2846549

SDG No.: MRFA INFLUEI

Lab Code: _____ Case No.: _____

SAS No.: _____

SOW No.: CLP ILM 5.3

Sample ID.

Lab Sample No.

SW-B

1144403

13D

1144404

DUPE B

1144405

M-27D

1144407

M-27DD

1144407D

M-27DS

1144407S

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?

Yes/No YES

If yes-were raw data generated before
application of background corrections?

Yes/No NO

Comments: See Attached Case Narrative

Signature: Michael K. Perry

Name: Michael Perry

Date: 12/18/02

Title: Laboratory Director

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INFMatrix Spike - EPA Sample No MRFA Influent

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	12	0.0	13	108	60 - 140
1,2-Dichloroethane	12	0.0	13	108	60 - 140
Carbon Tetrachloride	12	48	58	83	60 - 140
Benzene	12	0.0	12	100	60 - 140
Trichloroethene	12	60	69	75	60 - 140
1,2-Dichloropropane	12	0.0	12	100	60 - 140
cis-1,3-Dichloropropene	12	0.0	12	100	60 - 140
1,1,2-Trichloroethane	12	0.0	13	108	60 - 140
Tetrachloroethene	12	0.0	12	100	60 - 140
1,2-Dibromoethane	12	0.0	12	100	60 - 140
Bromoform	12	0.0	13	108	60 - 140
1,4-Dichlorobenzene	12	0.0	12	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Vinyl Chloride	12	14	117	8	30	60 - 140
1,2-Dichloroethane	12	12	100	8	30	60 - 140
Carbon Tetrachloride	12	59	92	10	30	60 - 140
Benzene	12	12	100	0	30	60 - 140
Trichloroethene	12	70	83	10	30	60 - 140
1,2-Dichloropropane	12	12	100	0	30	60 - 140
cis-1,3-Dichloropropene	12	12	100	0	30	60 - 140
1,1,2-Trichloroethane	12	13	108	0	30	60 - 140
Tetrachloroethene	12	12	100	0	30	60 - 140
1,2-Dibromoethane	12	12	100	0	30	60 - 140
Bromoform	12	13	108	0	30	60 - 140
1,4-Dichlorobenzene	12	12	100	0	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA InfluentMS

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158563 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2459.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 2.5 DL 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	14	
75-01-4	Vinyl Chloride	13	
74-83-9	Bromomethane	13	
75-00-3	Chloroethane	13	
75-69-4	Trichlorofluoromethane	13	
75-35-4	1,1-Dichloroethene	13	
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	13	
156-60-5	trans-1,2-Dichloroethene	12	
75-34-3	1,1-Dichloroethane	13	
156-59-2	cis-1,2-Dichloroethene	12	
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	13	
67-66-3	Chloroform	21	
107-06-2	1,2-Dichloroethane	13	
71-55-6	1,1,1-Trichloroethane	12	
56-23-5	Carbon Tetrachloride	58	
71-43-2	Benzene	12	
79-01-6	Trichloroethene	69	E
78-87-5	1,2-Dichloropropane	12	
75-27-4	Bromodichloromethane	13	
10061-01-5	cis-1,3-Dichloropropene	12	
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	
10061-02-6	trans-1,3-Dichloropropene	12	
79-00-5	1,1,2-Trichloroethane	13	
127-18-4	Tetrachloroethene	12	
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	13	
106-93-4	1,2-Dibromoethane	12	
108-90-7	Chlorobenzene	13	
100-41-4	Ethylbenzene	12	
1330-20-7	(m+p) Xylene	24	
1330-20-7	o-Xylene	12	
100-42-5	Styrene	12	
79-34-5	1,1,2,2-Tetrachloroethane	14	
75-25-2	Bromoform	13	
541-73-1	1,3-Dichlorobenzene	12	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA InfluentMS

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158563 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2459.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.5 >L 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	12	
95-50-1	1,2-Dichlorobenzene	13	
96-12-8	1,2-Dibromo-3-chloropropane	12	
120-82-1	1,2,4-Trichlorobenzene	13	
87-68-3	Hexachlorobutadiene	11	
87-61-6	1,2,3-Trichlorobenzene	12	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA InfluentMSD

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158564 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2460.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.5 DL 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	14	
75-01-4	Vinyl Chloride	14	
74-83-9	Bromomethane	13	
75-00-3	Chloroethane	13	
75-69-4	Trichlorofluoromethane	13	
75-35-4	1,1-Dichloroethene	12	
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	13	
156-60-5	trans-1,2-Dichloroethene	12	
75-34-3	1,1-Dichloroethane	13	
156-59-2	cis-1,2-Dichloroethene	12	
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	13	
67-66-3	Chloroform	20	
107-06-2	1,2-Dichloroethane	12	
71-55-6	1,1,1-Trichloroethane	12	
56-23-5	Carbon Tetrachloride	59	
71-43-2	Benzene	12	
79-01-6	Trichloroethene	70	E
78-87-5	1,2-Dichloropropane	12	
75-27-4	Bromodichloromethane	13	
10061-01-5	cis-1,3-Dichloropropene	12	
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	
10061-02-6	trans-1,3-Dichloropropene	12	
79-00-5	1,1,2-Trichloroethane	13	
127-18-4	Tetrachloroethene	12	
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	13	
106-93-4	1,2-Dibromoethane	12	
108-90-7	Chlorobenzene	12	
100-41-4	Ethylbenzene	12	
1330-20-7	(m+p) Xylene	24	
1330-20-7	o-Xylene	12	
100-42-5	Styrene	12	
79-34-5	1,1,2,2-Tetrachloroethane	13	
75-25-2	Bromoform	13	
541-73-1	1,3-Dichlorobenzene	12	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA InfluentMSD

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158564 2.5
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2460.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.5 PL 12-2-8
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	12	
95-50-1	1,2-Dichlorobenzene	12	
96-12-8	1,2-Dibromo-3-chloropropane	12	
120-82-1	1,2,4-Trichlorobenzene	13	
87-68-3	Hexachlorobutadiene	11	
87-61-6	1,2,3-Trichlorobenzene	13	

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix Spike - EPA Sample No M-27D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.5	110	60 - 140
1,2-Dichloroethane	5.0	0.0	5.1	102	60 - 140
Carbon Tetrachloride	5.0	9.3	14	94	60 - 140
Benzene	5.0	0.0	5.0	100	60 - 140
Trichloroethene	5.0	11	15	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.8	96	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.8	96	60 - 140
Tetrachloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Vinyl Chloride	5.0	5.5	110	0	30	60 - 140
1,2-Dichloroethane	5.0	4.9	98	4	30	60 - 140
Carbon Tetrachloride	5.0	14	94	0	30	60 - 140
Benzene	5.0	5.0	100	0	30	60 - 140
Trichloroethene	5.0	15	80	0	30	60 - 140
1,2-Dichloropropane	5.0	5.1	102	2	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.7	94	2	30	60 - 140
1,1,2-Trichloroethane	5.0	4.6	92	4	30	60 - 140
Tetrachloroethene	5.0	5.2	104	6	30	60 - 140
1,2-Dibromoethane	5.0	4.6	92	8	30	60 - 140
Bromoform	5.0	5.1	102	0	30	60 - 140
1,4-Dichlorobenzene	5.0	5.2	104	4	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158598 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2475.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		6	
75-01-4	Vinyl Chloride		6	
74-83-9	Bromomethane		4	
75-00-3	Chloroethane		5	
75-69-4	Trichlorofluoromethane		6	
75-35-4	1,1-Dichloroethene		5	
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		5	
156-60-5	trans-1,2-Dichloroethene		5	
75-34-3	1,1-Dichloroethane		5	
156-59-2	cis-1,2-Dichloroethene		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		5	
67-66-3	Chloroform		6	
107-06-2	1,2-Dichloroethane		5	
71-55-6	1,1,1-Trichloroethane		5	
56-23-5	Carbon Tetrachloride		14	
71-43-2	Benzene		5	
79-01-6	Trichloroethene		15	
78-87-5	1,2-Dichloropropane		5	
75-27-4	Bromodichloromethane		5	
10061-01-5	cis-1,3-Dichloropropene		5	
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		5	
10061-02-6	trans-1,3-Dichloropropene		5	
79-00-5	1,1,2-Trichloroethane		5	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		5	
106-93-4	1,2-Dibromoethane		5	
108-90-7	Chlorobenzene		5	
100-41-4	Ethylbenzene		5	
1330-20-7	(m+p) Xylene		10	
1330-20-7	o-Xylene		5	
100-42-5	Styrene		5	
79-34-5	1,1,2,2-Tetrachloroethane		5	
75-25-2	Bromoform		5	
541-73-1	1,3-Dichlorobenzene		5	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158598 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2475.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMSD

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158599 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2476.D

Level: (low/med) LOW Date Received: 10/15/08

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	6		
75-01-4	Vinyl Chloride	6		
74-83-9	Bromomethane	5		
75-00-3	Chloroethane	5		
75-69-4	Trichlorofluoromethane	6		
75-35-4	1,1-Dichloroethene	6		
67-64-1	Acetone	2		J
75-15-0	Carbon Disulfide	1		U
75-09-2	Methylene Chloride	5		
156-60-5	trans-1,2-Dichloroethene	5		
75-34-3	1,1-Dichloroethane	5		
156-59-2	cis-1,2-Dichloroethene	5		
78-93-3	2-Butanone	5		U
74-97-5	Bromochloromethane	5		
67-66-3	Chloroform	6		
107-06-2	1,2-Dichloroethane	5		
71-55-6	1,1,1-Trichloroethane	5		
56-23-5	Carbon Tetrachloride	14		
71-43-2	Benzene	5		
79-01-6	Trichloroethene	15		
78-87-5	1,2-Dichloropropane	5		
75-27-4	Bromodichloromethane	5		
10061-01-5	cis-1,3-Dichloropropene	5		
108-10-1	4-Methyl-2-Pentanone	5		U
108-88-3	Toluene	5		
10061-02-6	trans-1,3-Dichloropropene	5		
79-00-5	1,1,2-Trichloroethane	5		
127-18-4	Tetrachloroethene	5		
591-78-6	2-Hexanone	5		U
124-48-1	Dibromochloromethane	5		
106-93-4	1,2-Dibromoethane	5		
108-90-7	Chlorobenzene	5		
100-41-4	Ethylbenzene	5		
1330-20-7	(m+p) Xylene	10		
1330-20-7	o-Xylene	5		
100-42-5	Styrene	5		
79-34-5	1,1,2,2-Tetrachloroethane	5		
75-25-2	Bromoform	5		
541-73-1	1,3-Dichlorobenzene	5		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMSD

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158599 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2476.D
 Level: (low/med) LOW Date Received: 10/15/08
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DS

Contract: R2846549

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MRFA INFLUENT

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

% Solids for Sample: 100.0

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	204.00	0.81 B	200.0	102		P

Comments:

METALS
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DA

Contract: R2846549

Lab Code: Case No.: SAS SDG NO.: MRFA INFLUENT

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	0.81 B	200.0	103		P

Comments:

METALS
-6-
DUPLICATES

SAMPLE NO.

M-27DD

Contract: R2846549

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MRFA INFLUENT

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

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		0.81	B	0.90	B	11		P

Comments: _____

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 12/04/08
CAS Order # : 1144407 - M-27D
Client : Shaw Environmental
GE MRFA PROJECT #129926
Reported Units: MG/L
Run # : 168590

PRECISION

ACCURACY

HEXAVALENT CHROMIUM

ORIGINAL	DUPLICATE	RPD	FOUND	ADDED	% REC.	LIMITS
0.0100 U	0.0100 U	NC	0.102	0.100	102	85 - 115

00113

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF
 Matrix Spike - EPA Sample No LCS01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.4	108	60 - 140
1,2-Dichloroethane	5.0	0.0	5.1	102	60 - 140
Carbon Tetrachloride	5.0	0.0	4.8	96	60 - 140
Benzene	5.0	0.0	4.8	96	60 - 140
Trichloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dichloropropane	5.0	0.0	4.8	96	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.0	100	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.3	106	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.9	98	60 - 140

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158562 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2445.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	6	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	6	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158562 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2445.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INFMatrix Spike - EPA Sample No LCS02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.4	108	60 - 140
1,2-Dichloroethane	5.0	0.0	5.2	104	60 - 140
Carbon Tetrachloride	5.0	0.0	4.9	98	60 - 140
Benzene	5.0	0.0	4.9	98	60 - 140
Trichloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dichloropropane	5.0	0.0	5.0	100	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.9	98	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.8	96	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.6	112	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.2	104	60 - 140

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158597 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2464.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		6	
75-01-4	Vinyl Chloride		5	
74-83-9	Bromomethane		4	
75-00-3	Chloroethane		5	
75-69-4	Trichlorofluoromethane		5	
75-35-4	1,1-Dichloroethene		6	
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		5	
156-60-5	trans-1,2-Dichloroethene		5	
75-34-3	1,1-Dichloroethane		5	
156-59-2	cis-1,2-Dichloroethene		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		5	
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroethane		5	
71-55-6	1,1,1-Trichloroethane		5	
56-23-5	Carbon Tetrachloride		5	
71-43-2	Benzene		5	
79-01-6	Trichloroethene		5	
78-87-5	1,2-Dichloropropane		5	
75-27-4	Bromodichloromethane		5	
10061-01-5	cis-1,3-Dichloropropene		5	
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		5	
10061-02-6	trans-1,3-Dichloropropene		5	
79-00-5	1,1,2-Trichloroethane		5	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		5	
106-93-4	1,2-Dibromoethane		5	
108-90-7	Chlorobenzene		5	
100-41-4	Ethylbenzene		5	
1330-20-7	(m+p) Xylene		10	
1330-20-7	o-Xylene		5	
100-42-5	Styrene		5	
79-34-5	1,1,2,2-Tetrachloroethane		5	
75-25-2	Bromoform		6	
541-73-1	1,3-Dichlorobenzene		5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158597 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2464.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-LathamLab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INFMatrix Spike - EPA Sample No LCS03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.7	94	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	60 - 140
Carbon Tetrachloride	5.0	0.0	4.7	94	60 - 140
Benzene	5.0	0.0	4.6	92	60 - 140
Trichloroethene	5.0	0.0	4.6	92	60 - 140
1,2-Dichloropropane	5.0	0.0	4.7	94	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.8	96	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.7	94	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	4.7	94	60 - 140
Bromoform	5.0	0.0	5.0	100	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.2	104	60 - 140

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS03

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158778 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2676.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/30/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		4	
75-01-4	Vinyl Chloride		5	
74-83-9	Bromomethane		5	
75-00-3	Chloroethane		5	
75-69-4	Trichlorofluoromethane		5	
75-35-4	1,1-Dichloroethene		5	
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		5	
156-60-5	trans-1,2-Dichloroethene		5	
75-34-3	1,1-Dichloroethane		5	
156-59-2	cis-1,2-Dichloroethene		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		5	
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroethane		5	
71-55-6	1,1,1-Trichloroethane		4	
56-23-5	Carbon Tetrachloride		5	
71-43-2	Benzene		5	
79-01-6	Trichloroethene		5	
78-87-5	1,2-Dichloropropane		5	
75-27-4	Bromodichloromethane		5	
10061-01-5	cis-1,3-Dichloropropene		5	
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		5	
10061-02-6	trans-1,3-Dichloropropene		5	
79-00-5	1,1,2-Trichloroethane		5	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		5	
106-93-4	1,2-Dibromoethane		5	
108-90-7	Chlorobenzene		5	
100-41-4	Ethylbenzene		5	
1330-20-7	(m+p) Xylene		10	
1330-20-7	o-Xylene		5	
100-42-5	Styrene		5	
79-34-5	1,1,2,2-Tetrachloroethane		5	
75-25-2	Bromoform		5	
541-73-1	1,3-Dichlorobenzene		5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS03

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158778 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2676.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 10/30/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		5	
95-50-1	1,2-Dichlorobenzene		5	
96-12-8	1,2-Dibromo-3-chloropropane		5	
120-82-1	1,2,4-Trichlorobenzene		6	
87-68-3	Hexachlorobutadiene		5	
87-61-6	1,2,3-Trichlorobenzene		5	

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R2846549

Lab Code: _____ **Case No.:** _____ **SAS No.:** _____ **SDG NO.:** MRFA INFLUENTI

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Chromium	200	200	100					

Comments: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2444.D Lab Sample ID: 1158561 1.0
 Date Analyzed: 10/22/08 Time Analyzed: 16:16
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N
 Instrument ID: GCMS #6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	1158562 1.0	W2445.D	16:52
02	MRFA EFFLUENT	1144400 1.0	W2447.D	17:57
03	MRFA INFLUENT	1144399 2.5	W2448.D	18:33
04	DUPE A	1144401 1.0	W2449.D	19:11
05	14D	1144402 1.0	W2450.D	19:47
06	SW-B	1144403 1.0	W2451.D	20:23
07	M-29D	1144406 2.0	W2452.D	20:59
08	M-24D	1144408 1.0	W2453.D	21:34
09	M-33I	1144409 1.0	W2454.D	22:10
10	M-33S	1144410 1.0	W2455.D	22:46
11	11D	1144411 1.0	W2456.D	23:21
12	TRIP BLANK	1144412 1.0	W2457.D	23:57
13	DGC-4S	1144856 1.0	W2458.D	0:34
14	MRFA INFLUENTMS	1158563 2.5	W2459.D	1:10
15	MRFA INFLUENTMS	1158564 2.5	W2460.D	1:45

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158561 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2444.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158561 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2444.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1158561 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2444.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 10/22/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK02

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2466.D Lab Sample ID: 1158596 1.0
 Date Analyzed: 10/23/08 Time Analyzed: 5:21
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N
 Instrument ID: GCMS #6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS02	1158597 1.0	W2464.D	4:09
02	DGC-3S	1144857 1.0	W2467.D	5:57
03	SW-F	1144858 1.0	W2468.D	6:33
04	SW-G	1144859 1.0	W2469.D	7:09
05	SW-A	1144860 1.0	W2470.D	7:45
06	4D	1144861 1.0	W2471.D	8:21
07	M-25D	1144862 2.5	W2472.D	8:57
08	TRIP BLANK	1144863 1.0	W2473.D	9:33
09	M-27D	1144407 1.0	W2474.D	10:09
10	M-27DMS	1158598 1.0	W2475.D	10:45
11	M-27DMSD	1158599 1.0	W2476.D	11:18
12	M-25DDL	1144862 5.0	W2479.D	13:05
13	COOLER BLK	1144413 1.0	W2480.D	13:41

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: CAS ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 1158596 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2466.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/23/08

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U	
75-01-4	Vinyl Chloride	1	U	
74-83-9	Bromomethane	1	U	
75-00-3	Chloroethane	1	U	
75-69-4	Trichlorofluoromethane	1	U	
75-35-4	1,1-Dichloroethene	1	U	
67-64-1	Acetone	5	U	
75-15-0	Carbon Disulfide	1	U	
75-09-2	Methylene Chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-59-2	cis-1,2-Dichloroethene	1	U	
78-93-3	2-Butanone	5	U	
74-97-5	Bromochloromethane	1	U	
67-66-3	Chloroform	1	U	
107-06-2	1,2-Dichloroethane	1	U	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	1	U	
71-43-2	Benzene	1	U	
79-01-6	Trichloroethene	1	U	
78-87-5	1,2-Dichloropropane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
1330-20-7	(m+p) Xylene	1	U	
1330-20-7	o-Xylene	1	U	
100-42-5	Styrene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
75-25-2	Bromoform	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158596 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2466.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 10/23/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK02

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1158596 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2466.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 10/23/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK03

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Lab File ID: W2678.D Lab Sample ID: 1158777 1.0
Date Analyzed: 10/30/08 Time Analyzed: 19:14
GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N
Instrument ID: GCMS #6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS03	1158778 1.0	W2676.D	18:02
02	SW-D	1146625 1.0	W2679.D	19:49
03	SW-E	1146626 1.0	W2680.D	20:25
04	TRIP BLANK	1146627 1.0	W2681.D	21:00

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK03

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158777 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2678.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 10/30/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK03

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Matrix: (soil/water) WATER Lab Sample ID: 1158777 1.0
 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2678.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 10/30/08
 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK03

Lab Name: CAS ROCH Contract: IT-Latham
Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
Matrix: (soil/water) WATER Lab Sample ID: 1158777 1.0
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: W2678.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 10/30/08
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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METALS

-3-

BLANKS

Contract: R2846549

Lab Code: Case No.: SAS No.: SDG NO.: MRFA INFLUENT

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		
		1	2	3						
Chromium	-0.32	-0.24	0.17	-0.18				0.17		

Comments:

METALS

-3-

BLANKS

Contract: R2846549

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MRFA INFLUENT

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		
		1	2	3						
Chromium		0.17								

Comments:

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2846549

Client: Shaw Environmental

GE MRFA PROJECT #129926

BLANK SPIKES

HEXAVALENT CHROMIUM

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
0.0100 U	0.0979	0.100	98	90 - 109	168590	MG/L

00138

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W1766.D BFB Injection Date: 9/17/08
 Instrument ID: GCMS #6 BFB Injection Time: 15:09
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.3
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 120.0% of mass 95	106.0
175	4.0 - 9.0% of mass 174	7.8 (7.3)1
176	93.0 - 101.0% of mass 174	101.5 (95.8)1
177	5.0 - 9.0% of mass 176	6.8 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001/005	VSTD001/005	W1770.D	9/17/08	17:58
02	VSTD002/010	VSTD002/010	W1771.D	9/17/08	18:34
03	VSTD005/025	VSTD005/025	W1772.D	9/17/08	19:10
04	VSTD010/050	VSTD010/050	W1773.D	9/17/08	19:46
05	VSTD025/125	VSTD025/125	W1774.D	9/17/08	20:17

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2441.D BFB Injection Date: 10/22/08
 Instrument ID: GCMS #6 BFB Injection Time: 14:09
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.2
75	30.0 - 66.0% of mass 95	45.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	101.3
175	4.0 - 9.0% of mass 174	7.3 (7.2)1
176	93.0 - 101.0% of mass 174	99.8 (98.6)1
177	5.0 - 9.0% of mass 176	6.3 (6.3)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #1	VSTD #1	W2442.D	10/22/08	14:58
02	VBLK01	1158561 1.0	W2444.D	10/22/08	16:16
03	LCS01	1158562 1.0	W2445.D	10/22/08	16:52
04	MRFA EFFLUENT	1144400 1.0	W2447.D	10/22/08	17:57
05	MRFA INFLUENT	1144399 2.5	W2448.D	10/22/08	18:33
06	DUPE A	1144401 1.0	W2449.D	10/22/08	19:11
07	14D	1144402 1.0	W2450.D	10/22/08	19:47
08	SW-B	1144403 1.0	W2451.D	10/22/08	20:23
09	M-29D	1144406 2.0	W2452.D	10/22/08	20:59
10	M-24D	1144408 1.0	W2453.D	10/22/08	21:34
11	M-33I	1144409 1.0	W2454.D	10/22/08	22:10
12	M-33S	1144410 1.0	W2455.D	10/22/08	22:46
13	11D	1144411 1.0	W2456.D	10/22/08	23:21
14	TRIP BLANK	1144412 1.0	W2457.D	10/22/08	23:57
15	DGC-4S	1144856 1.0	W2458.D	10/23/08	0:34
16	MRFA INFLUENTMS	1158563 2.5	W2459.D	10/23/08	1:10
17	MRFA INFLUENTMSD	1158564 2.5	W2460.D	10/23/08	1:45

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2461.D BFB Injection Date: 10/23/08
 Instrument ID: GCMS #6 BFB Injection Time: 2:21
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	46.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 120.0% of mass 95	95.6
175	4.0 - 9.0% of mass 174	5.2 (5.4)1
176	93.0 - 101.0% of mass 174	92.5 (96.8)1
177	5.0 - 9.0% of mass 176	6.0 (6.5)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #2	VSTD #2	W2463.D	10/23/08	3:33
02	LCS02	1158597 1.0	W2464.D	10/23/08	4:09
03	VBLK02	1158596 1.0	W2466.D	10/23/08	5:21
04	DGC-3S	1144857 1.0	W2467.D	10/23/08	5:57
05	SW-F	1144858 1.0	W2468.D	10/23/08	6:33
06	SW-G	1144859 1.0	W2469.D	10/23/08	7:09
07	SW-A	1144860 1.0	W2470.D	10/23/08	7:45
08	4D	1144861 1.0	W2471.D	10/23/08	8:21
09	M-25D	1144862 2.5	W2472.D	10/23/08	8:57
10	TRIP BLANK	1144863 1.0	W2473.D	10/23/08	9:33
11	M-27D	1144407 1.0	W2474.D	10/23/08	10:09
12	M-27DMS	1158598 1.0	W2475.D	10/23/08	10:45
13	M-27DMSD	1158599 1.0	W2476.D	10/23/08	11:18
14	M-25DDL	1144862 5.0	W2479.D	10/23/08	13:05
15	COOLER BLK	1144413 1.0	W2480.D	10/23/08	13:41

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID: W2674.D BFB Injection Date: 10/30/08
 Instrument ID: GCMS #6 BFB Injection Time: 16:31
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.2
75	30.0 - 66.0% of mass 95	45.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.9 (0.9)1
174	50.0 - 120.0% of mass 95	96.5
175	4.0 - 9.0% of mass 174	6.5 (6.8)1
176	93.0 - 101.0% of mass 174	92.1 (95.5)1
177	5.0 - 9.0% of mass 176	5.3 (5.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #3	VSTD #3	W2675.D	10/30/08	17:14
02	LCS03	1158778 1.0	W2676.D	10/30/08	18:02
03	VBLK03	1158777 1.0	W2678.D	10/30/08	19:14
04	SW-D	1146625 1.0	W2679.D	10/30/08	19:49
05	SW-E	1146626 1.0	W2680.D	10/30/08	20:25
06	TRIP BLANK	1146627 1.0	W2681.D	10/30/08	21:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID (Standard): W2442.D Date Analyzed: 10/22/08
 Instrument ID: GCMS #6 Time Analyzed: 14:58
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		637482	5.73	517764	8.74	253438	10.81
UPPER LIMIT		1274964	6.23	1035528	9.24	506876	11.31
LOWER LIMIT		318741	5.23	258882	8.24	126719	10.31
EPA SAMPLE NO.							
01	VBLK01	591431	5.73	482542	8.74	217006	10.80
02	LCS01	590378	5.73	505767	8.74	253508	10.81
03	MRFA EFFLUENT	574496	5.73	472173	8.74	215981	10.81
04	MRFA INFLUENT	579683	5.73	475382	8.74	215856	10.81
05	DUPE A	586353	5.73	470051	8.74	215098	10.81
06	14D	576735	5.73	476907	8.74	223487	10.80
07	SW-B	569346	5.73	471520	8.73	217180	10.81
08	M-29D	551606	5.73	468162	8.74	210478	10.81
09	M-24D	570683	5.73	464655	8.74	211320	10.81
10	M-33I	559559	5.73	462273	8.74	206337	10.81
11	M-33S	563670	5.73	457022	8.74	207321	10.80
12	11D	552302	5.73	461938	8.74	213782	10.81
13	TRIP BLANK	549624	5.73	459250	8.74	210457	10.81
14	DGC-4S	539126	5.73	452206	8.74	210431	10.81
15	MRFA INFLUENT MS	561697	5.73	482138	8.74	237531	10.81
16	MRFA INFLUENT MSD	576395	5.73	486605	8.74	241677	10.81

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID (Standard): W2463.D Date Analyzed: 10/23/08
 Instrument ID: GCMS #6 Time Analyzed: 3:33
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		630321	5.73	520348	8.74	256561	10.81
UPPER LIMIT		1260642	6.23	1040696	9.24	513122	11.31
LOWER LIMIT		315161	5.23	260174	8.24	128281	10.31
EPA SAMPLE NO.							
01	LCS02	587243	5.73	499516	8.74	240819	10.81
02	VBLK02	580713	5.73	483616	8.74	224711	10.81
03	DGC-3S	557010	5.73	464032	8.74	208477	10.81
04	SW-F	562814	5.73	459898	8.74	215881	10.81
05	SW-G	551213	5.73	465862	8.74	211797	10.81
06	SW-A	549304	5.73	464528	8.74	213118	10.80
07	4D	558873	5.73	464652	8.74	218877	10.81
08	M-25D	549702	5.73	457944	8.74	213481	10.81
09	TRIP BLANK	566435	5.73	470927	8.74	212570	10.80
10	M-27D	558546	5.73	465401	8.74	215456	10.80
11	M-27DMS	581595	5.73	496229	8.74	244508	10.80
12	M-27DMSD	582647	5.73	492081	8.74	239649	10.81
13	M-25DDL	565328	5.73	467900	8.74	210167	10.81
14	COOLER BLK	566789	5.73	463573	8.74	218146	10.81

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS ROCH Contract: IT-Latham
 Lab Code: 10145 Case No.: R8-46549 SAS No.: _____ SDG No.: MRFA INF
 Lab File ID (Standard): W2675.D Date Analyzed: 10/30/08
 Instrument ID: GCMS #6 Time Analyzed: 17:14
 GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		619994	5.73	477647	8.73	253351	10.80
UPPER LIMIT		1239988	6.23	955294	9.23	506702	11.30
LOWER LIMIT		309997	5.23	238824	8.23	126676	10.30
EPA SAMPLE NO.							
01	LCS03	603556	5.73	498853	8.73	243550	10.81
02	VBLK03	571889	5.73	481392	8.74	230986	10.81
03	SW-D	573490	5.73	479917	8.74	228398	10.80
04	SW-E	566175	5.73	474354	8.74	223016	10.80
05	TRIP BLANK	545945	5.73	452920	8.74	220389	10.81

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

APPENDIX D

AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
7/1/2008	Total	0	0	0.00	0.00	0.00
7/2/2008	Total	0	0	0.00	0.00	0.00
7/3/2008	Total	0	0	0.00	0.00	0.00
7/4/2008	Total	0	0	0.00	0.00	0.00
7/5/2008	Total	0	0	0.00	0.00	0.00
7/6/2008	Total	0	0	0.00	0.00	0.00
7/7/2008	Total	0	0	0.00	0.00	0.00
7/8/2008	Total	0	0	0.00	0.00	0.00
7/9/2008	Total	0	0	0.00	0.00	0.00
7/10/2008	Total	0	0	0.00	0.00	0.00
7/11/2008	Total	0	0	0.00	0.00	0.00
7/12/2008	Total	0	0	0.00	0.00	0.00
7/13/2008	Total	0	0	0.00	0.00	0.00
7/14/2008	Total	0	0	0.00	0.00	0.00
7/15/2008	Total	0	0	0.00	0.00	0.00
7/16/2008	Total	0	0	0.00	0.00	0.00
7/17/2008	Total	0	0	0.00	0.00	0.00
7/18/2008	Total	7,880	0	5.47	0.00	5.47
7/19/2008	Total	8,860	0	6.15	0.00	6.15
7/20/2008	Total	840	0	0.58	0.00	0.58
7/21/2008	Total	870	0	0.60	0.00	0.60
7/22/2008	Total	970	0	0.67	0.00	0.67
7/23/2008	Total	660	0	0.46	0.00	0.46
7/24/2008	Total	1,030	0	0.72	0.00	0.72
7/25/2008	Total	880	0	0.61	0.00	0.61
7/26/2008	Total	950	0	0.66	0.00	0.66
7/27/2008	Total	970	0	0.67	0.00	0.67
7/28/2008	Total	770	0	0.53	0.00	0.53
7/29/2008	Total	990	0	0.69	0.00	0.69
7/30/2008	Total	930	0	0.65	0.00	0.65
7/31/2008	Total	1,140	0	0.79	0.00	0.79
8/1/2008	Total	1,150	0	0.80	0.00	0.80
8/2/2008	Total	830	0	0.58	0.00	0.58
8/3/2008	Total	1,030	0	0.72	0.00	0.72
8/4/2008	Total	930	0	0.65	0.00	0.65
8/5/2008	Total	1,030	0	0.72	0.00	0.72
8/6/2008	Total	980	0	0.68	0.00	0.68
8/7/2008	Total	500	0	0.35	0.00	0.35
8/8/2008	Total	0	0	0.00	0.00	0.00
8/9/2008	Total	0	0	0.00	0.00	0.00
8/10/2008	Total	0	0	0.00	0.00	0.00
8/11/2008	Total	0	0	0.00	0.00	0.00
8/12/2008	Total	0	0	0.00	0.00	0.00
8/13/2008	Total	0	0	0.00	0.00	0.00
8/14/2008	Total	0	0	0.00	0.00	0.00
8/15/2008	Total	0	0	0.00	0.00	0.00
8/16/2008	Total	5,040	0	3.50	0.00	3.50
8/17/2008	Total	6,880	0	4.78	0.00	4.78
8/18/2008	Total	950	0	0.66	0.00	0.66
8/19/2008	Total	910	0	0.63	0.00	0.63

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
8/20/2008	Total	960	0	0.67	0.00	0.67
8/21/2008	Total	910	0	0.63	0.00	0.63
8/22/2008	Total	810	0	0.56	0.00	0.56
8/23/2008	Total	810	0	0.56	0.00	0.56
8/24/2008	Total	930	0	0.65	0.00	0.65
8/25/2008	Total	870	0	0.60	0.00	0.60
8/26/2008	Total	930	0	0.65	0.00	0.65
8/27/2008	Total	830	0	0.58	0.00	0.58
8/28/2008	Total	900	0	0.63	0.00	0.63
8/29/2008	Total	950	0	0.66	0.00	0.66
8/30/2008	Total	980	0	0.68	0.00	0.68
8/31/2008	Total	850	0	0.59	0.00	0.59
9/1/2008	Total	770	0	0.53	0.00	0.53
9/2/2008	Total	770	0	0.53	0.00	0.53
9/3/2008	Total	970	0	0.67	0.00	0.67
9/4/2008	Total	970	0	0.67	0.00	0.67
9/5/2008	Total	820	0	0.57	0.00	0.57
9/6/2008	Total	1,020	0	0.71	0.00	0.71
9/7/2008	Total	760	0	0.53	0.00	0.53
9/8/2008	Total	950	0	0.66	0.00	0.66
9/9/2008	Total	790	0	0.55	0.00	0.55
9/10/2008	Total	930	0	0.65	0.00	0.65
9/11/2008	Total	970	0	0.67	0.00	0.67
9/12/2008	Total	870	0	0.60	0.00	0.60
9/13/2008	Total	870	0	0.60	0.00	0.60
9/14/2008	Total	810	0	0.56	0.00	0.56
9/15/2008	Total	720	0	0.50	0.00	0.50
9/16/2008	Total	1,090	0	0.76	0.00	0.76
9/17/2008	Total	860	0	0.60	0.00	0.60
9/18/2008	Total	780	0	0.54	0.00	0.54
9/19/2008	Total	870	0	0.60	0.00	0.60
9/20/2008	Total	1,030	0	0.72	0.00	0.72
9/21/2008	Total	860	0	0.60	0.00	0.60
9/22/2008	Total	860	0	0.60	0.00	0.60
9/23/2008	Total	900	0	0.63	0.00	0.63
9/24/2008	Total	710	0	0.49	0.00	0.49
9/25/2008	Total	960	0	0.67	0.00	0.67
9/26/2008	Total	960	0	0.67	0.00	0.67
9/27/2008	Total	860	0	0.60	0.00	0.60
9/28/2008	Total	850	0	0.59	0.00	0.59
9/29/2008	Total	760	0	0.53	0.00	0.53
9/30/2008	Total	860	0	0.60	0.00	0.60
10/1/2008	Total	90	0	0.06	0.00	0.06
10/2/2008	Total	900	0	0.63	0.00	0.63
10/3/2008	Total	930	0	0.65	0.00	0.65
10/4/2008	Total	870	0	0.60	0.00	0.60
10/5/2008	Total	860	0	0.60	0.00	0.60
10/6/2008	Total	700	0	0.49	0.00	0.49
10/7/2008	Total	860	0	0.60	0.00	0.60
10/8/2008	Total	910	0	0.63	0.00	0.63
10/9/2008	Total	860	0	0.60	0.00	0.60

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
10/10/2008	Total	810	0	0.56	0.00	0.56
10/11/2008	Total	920	0	0.64	0.00	0.64
10/12/2008	Total	610	0	0.42	0.00	0.42
10/13/2008	Total	810	0	0.56	0.00	0.56
10/14/2008	Total	1,010	0	0.70	0.00	0.70
10/15/2008	Total	960	0	0.67	0.00	0.67
10/16/2008	Total	1,070	0	0.74	0.00	0.74
10/17/2008	Total	920	0	0.64	0.00	0.64
10/18/2008	Total	760	0	0.53	0.00	0.53
10/19/2008	Total	1,130	0	0.78	0.00	0.78
10/20/2008	Total	820	0	0.57	0.00	0.57
10/21/2008	Total	820	0	0.57	0.00	0.57
10/22/2008	Total	960	0	0.67	0.00	0.67
10/23/2008	Total	770	0	0.53	0.00	0.53
10/24/2008	Total	870	0	0.60	0.00	0.60
10/25/2008	Total	980	0	0.68	0.00	0.68
10/26/2008	Total	760	0	0.53	0.00	0.53
10/27/2008	Total	930	0	0.65	0.00	0.65
10/28/2008	Total	820	0	0.57	0.00	0.57
10/29/2008	Total	920	0	0.64	0.00	0.64
10/30/2008	Total	730	0	0.51	0.00	0.51
10/31/2008	Total	990	0	0.69	0.00	0.69
11/1/2008	Total	1,030	0	0.72	0.00	0.72
11/2/2008	Total	830	0	0.58	0.00	0.58
11/3/2008	Total	840	0	0.58	0.00	0.58
11/4/2008	Total	680	0	0.47	0.00	0.47
11/5/2008	Total	1,030	0	0.72	0.00	0.72
11/6/2008	Total	820	0	0.57	0.00	0.57
11/7/2008	Total	930	0	0.65	0.00	0.65
11/8/2008	Total	1,240	0	0.86	0.00	0.86
11/9/2008	Total	880	0	0.61	0.00	0.61
11/10/2008	Total	830	0	0.58	0.00	0.58
11/11/2008	Total	840	0	0.58	0.00	0.58
11/12/2008	Total	890	0	0.62	0.00	0.62
11/13/2008	Total	900	0	0.63	0.00	0.63
11/14/2008	Total	750	0	0.52	0.00	0.52
11/15/2008	Total	920	0	0.64	0.00	0.64
11/16/2008	Total	790	0	0.55	0.00	0.55
11/17/2008	Total	720	0	0.50	0.00	0.50
11/18/2008	Total	950	0	0.66	0.00	0.66
11/19/2008	Total	960	0	0.67	0.00	0.67
11/20/2008	Total	780	0	0.54	0.00	0.54
11/21/2008	Total	960	0	0.67	0.00	0.67
11/22/2008	Total	960	0	0.67	0.00	0.67
11/23/2008	Total	700	0	0.49	0.00	0.49
11/24/2008	Total	800	0	0.56	0.00	0.56
11/25/2008	Total	900	0	0.63	0.00	0.63
11/26/2008	Total	810	0	0.56	0.00	0.56
11/27/2008	Total	910	0	0.63	0.00	0.63
11/28/2008	Total	690	0	0.48	0.00	0.48
11/29/2008	Total	970	0	0.67	0.00	0.67

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
11/30/2008	Total	800	0	0.56	0.00	0.56
12/1/2008	Total	860	0	0.60	0.00	0.60
12/2/2008	Total	860	0	0.60	0.00	0.60
12/3/2008	Total	820	0	0.57	0.00	0.57
12/4/2008	Total	810	0	0.56	0.00	0.56
12/5/2008	Total	920	0	0.64	0.00	0.64
12/6/2008	Total	820	0	0.57	0.00	0.57
12/7/2008	Total	940	0	0.65	0.00	0.65
12/8/2008	Total	660	0	0.46	0.00	0.46
12/9/2008	Total	120	0	0.08	0.00	0.08
12/10/2008	Total	1,970	0	1.37	0.00	1.37
12/11/2008	Total	3,650	0	2.53	0.00	2.53
12/12/2008	Total	940	0	0.65	0.00	0.65
12/13/2008	Total	0	0	0.00	0.00	0.00
12/14/2008	Total	0	0	0.00	0.00	0.00
12/15/2008	Total	0	0	0.00	0.00	0.00
12/16/2008	Total	1,760	0	1.22	0.00	1.22
12/17/2008	Total	1,030	0	0.72	0.00	0.72
12/18/2008	Total	1,030	0	0.72	0.00	0.72
12/19/2008	Total	1,060	0	0.74	0.00	0.74
12/20/2008	Total	1,020	0	0.71	0.00	0.71
12/21/2008	Total	830	0	0.58	0.00	0.58
12/22/2008	Total	1,010	0	0.70	0.00	0.70
12/23/2008	Total	1,000	0	0.69	0.00	0.69
12/24/2008	Total	1,020	0	0.71	0.00	0.71
12/25/2008	Total	1,010	0	0.70	0.00	0.70
12/26/2008	Total	1,020	0	0.71	0.00	0.71
12/27/2008	Total	800	0	0.56	0.00	0.56
12/28/2008	Total	1,030	0	0.72	0.00	0.72
12/29/2008	Total	1,030	0	0.72	0.00	0.72
12/30/2008	Total	1,090	0	0.76	0.00	0.76
12/31/2008	Total	990	0	0.69	0.00	0.69
Grand Total		167,460	0	0.632	0.000	0.632

APPENDIX E
TELEPHONE INTERVIEW LOGS

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Fax : (518) 899-4719
Phone : (518) 899-2552

Property Owner Interviewed: <i>Kevin King, Comptroller</i>	Town of Malta, New York State
Date of Interview: <i>12/23/08</i>	Agency/Property Owner Representative: <i>Kevin King, Comptroller</i>
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.	The pending proposed AMD Tab 4x may utilize a portion of the ERZ. Further information and clarification will occur as subdivision and site plan applications are submitted to the Town and are reviewed.
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	The LFTL PDD legislation was modified to reflect AMD's pending proposed use of approximately 200 acres, part of which may be within the ERZ.
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Know the same exist but additional info would be helpful
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.	Not that I am aware of
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?	Not that I am aware of
Interview completed by:	Interviewer Signature/Date:

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Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: LFTC	Luther Forest Technology Campus Economic Dev. Corp.
Date of Interview: 1/8/09	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?	Yes, Electric Transmission Line ROW and the future AMD site clearing within the Pod 1 area.
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No
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.	Yes, Pod 18 approximately 32 acres were transferred to the Town of Malta Deed dated 10/26/06 and recorded 1/24/07 as instrument 2007003113
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: Brian Neumann	Interviewer Signature/Date:  1/8/09

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 Development Authority	New York State Energy Research and Development Authority	
Date of Interview: January 20, 2009	Agency/Property Owner Representative: 2008 Mitchell Khosrova	
Interview Questions:	Representative Response:	
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No	
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	No	
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Yes	
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No	
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No	
Interview completed by: Marc E. Flanagan	Interviewer Signature/Date:  1/21/09	