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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

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Submitted to:

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

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1.0 INTRODUCTION

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

- 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 <u>Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002</u>, 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 $0.1\mu g/l$. Carbon tetrachloride was not detected in the August 6, 2008 effluent sample. TCE was detected at estimated concentrations of $0.2\mu g/l$ 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	August 6, 2008	33 J	ND	5
Tetrachloride	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 $5 \mu g/l$ in the August 6, 2008 and $7 \mu g/l$ 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 wremoval efficiency was greater than 99 percent for all volatile organic analytes.	ater system's
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3.1 Sample Collection

Modifications to the Early Warning Monitoring System (EWMS) monitoring program have been specified in <u>Addendum No. 1</u>, <u>Operations and Maintenance Manual, Remedial Work Element II-Groundwater, Malta Rocket Fuel Area Site, General Electric Company, January 31, 2005</u> (Addendum No. 1). In accordance with the <u>Operations and Maintenance Manual for Remedial Work Element II - Ground Water, ERM Northeast, Inc., January 22, 1998</u>, (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 <u>Five-Year Review Report, Malta Rocket Fuel Area Superfund site, United States Environmental Protection Agency (EPA), September 24, 2004</u> (Five Year Review Report) including a table titled <u>"Proposed Modifications to Groundwater and Surface Water Sampling Regimes at the Malta Rocket Fuel Area Site"</u> 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 $7.3\mu g/l$, $0.810\mu g/l$ and $0.596\mu g/l$, respectively. These concentrations are below the New York State Ground Water Standard (NYSGWS) of $50\mu g/l$.

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 $10\mu g/l$, $52\mu g/l$, $9\mu g/l$, $32\mu g/l$ and $10\mu g/l$, 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 $4\mu g/l$, $2\mu g/l$ and $2\mu g/l$, respectively. Chloroform was also detected at estimated concentrations of $0.3\mu g/l$ and $0.6\mu g/l$ 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 $0.3\mu g/l$ and $0.1\mu g/l$, 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**.

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.

5.1 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.

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

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	Check for proper operation. System should alarm after pre-set delay period.	Monthly	Adjust frequency depending on operating experience
	Blower Low Pressure			
	Blower Low Amps			
	Building Low Temperature			

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

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

1	2	3					4					5
DATE	TIME		WATER F	LOWLINE 1	D			WAT	ER FLOWLI	PROBLEMS OR COMMENTS		
		1D LINE	1D LINE	ELAPSED	TOTAL	AVG FLOW	2D LINE	2D LINE	ELAPSED	TOTAL	AVG FLOW	
		FLOW	TOTALIZER	TIME	FLOW	THIS	FLOW	TOTALIZER	TIME	FLOW	THIS	
		METER RDG(GPM)	RDG(GAL)	(DAYS)	THIS PERIOD	PERIOD (GPM)	METER RDG(GPM)	RDG(GAL)	(DAYS)	THIS PERIOD	PERIOD (GPM)	
		KDG(GIWI)			(GAL)	(G1 1/1)	KDG(G1WI)			(GAL)	(GIVI)	
					(3112)					(3111)		
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.
1,1,1			, , ,, ,,		-	· ·		1, 11, 11				
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
77172000	0.00	0.0	1), 00)000		100	0.00	0.0	0,020,000		03/300	0.55	
8/6/2008	8:30	0.0	4,703,000	20	0	0.00	6.6	6,854,400	20	34,100	1.18	
8/6/2008	6.30	0.0	4,703,000	20	0	0.00	0.0	0,034,400	20	34,100	1.10	
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

Remedia	l
A -41	

	Action						DUPE				
Compound	Objective	DGC-3S	DGC-4S	4D	11D	13D	(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

рН	 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 μ g/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 Indentifies 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

	Remedial													
	Action				Trip	Trip	Trip	Cooler						
Compound	Objective	M-29D	M-33S	M-33I	Blank	Blank	Blank	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 μ g/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 Indentifies all compounds analyzed at a secondary dilution factor.
- 8. NM Not measured due to equipment malfunction.
- 9. NP Not promulgated.

	Remedial											
Wells / Compounds	Action	6/29-			1/19-	4/18-	7/20-	10/11-	1/19-			
DGC-3S	Objective	7/1/1987	7/31/87	11/5/87	1/20/1988	4/19/1988	7/21/1988	10/12/88	1/20/89	4/10/89	7/12/89	8/15
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
Carbon Disulfide Chromium	None* 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 $\mu g/l$ (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.

I = 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.

	Remedial											
Wells / Compounds	Action					4/8-	6/12-	9/23-	12/26-	2/10-	6/1-	9/28-
DGC-3S	Objective	11/30/1989	5/30/90	8/28/90	12/6/90	4/10/1991	6/13/1991	9/24/1991	12/27/91	2/11/92	6/2/1992	9/29/1992
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
Chromium	50*					NA	NA	15.9	11.9 E	ND/ND*	ND/ND*	ND/ND dp
DGC-4S Carbon Disulfide Chromium	None*					ND/0.5Vdp	ND NA	ND 15.9	ND 11.9 F	ND ND/ND*	ND ND/ND*	ND/ND dp
138												
	0.50	***	27.		27.		0.000.00) III		110	3.755
Benzene	0.7*	NA	NA	NA	NA	2	0.7/0.6 Jdp	ı	ND	ND	ND	ND
Carbon Disulfide	None*	NA	NA	NA	NA	60 D	0.6	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NA	18/16 dp	6.4	4.4	8	24 J/24 Jdp	8	12	9	6 J	9
Chloroform	7	NA	ND	ND	ND	ND	0.8/0.9 Jdp	ND	0.4 J	0.3 J	ND	ND
Trichloroethene	5	NA	ND	ND	ND	ND	ND	0.4 J	0.9	0.6	ND	0.6
Trichlorofluoromethane	5*	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Chromium	50*	NA	NA	NA	NA	336 V	NA	269/261**	316 E/562 E**	282/498**	504/512**	179/172**
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	280	486/302**	260/310**	NA	287

Notes:

Units are $\mu g/l$ (ppb) unless otherwise stated.

Only detected compounds are listed.

NA = Not analyzed.

 $ND = Not \ detected. \\$

NS = Not sampled.

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

dp = Duplicate sample.

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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

 $** = Filtered\ Sample.$

	Remedial											
Wells / Compounds	Action	11/18-	3/17-	5/25-	8/24-	11/8-	2/22-	5/18-	8/24-	11/15-		
DGC-3S	Objective	11/19/1992	3/18/1993	5/26/1993	8/25/1993	11/9/1993	2/23/1994	5/19/1994	8/25/1994	11/16/1994	5/23/1995	10/17/1995
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
DCC 48												
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

Notes:

Units are $\mu g/l$ (ppb) unless otherwise stated.

Only detected compounds are listed.

NA = Not analyzed.

 $ND = Not \ detected. \\$

NS = Not sampled.

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

 $dp = Duplicate \ sample.$

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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

** = Filtered Sample.

	Remedial											
Wells / Compounds	Action											
DGC-3S	Objective	5/14/1996	10/23/1996	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999	10/26/1999	5/22/2000	10/24/2000	5/15/2001
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DGC-4S												
Chromium	50*	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Cinomium	50		1111			1111		1.11	1111	1121	1111	
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:

Units are $\mu g/l$ (ppb) unless otherwise stated.

Only detected compounds are listed.

NA = Not analyzed.

 $ND = Not \ detected. \\$

NS = Not sampled.

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

dp = Duplicate sample.

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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

for comparison purposes only. $\label{eq:sample} ** = Filtered Sample.$

	Remedial											
Wells / Compounds DGC-3S	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
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
Carbon Disulfide Chromium	None* 50*	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA
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 $\mu g/l$ (ppb) unless otherwise stated.

Only detected compounds are listed.

NA = Not analyzed.

 $ND = Not \ detected. \\$

NS = Not sampled.

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

dp = Duplicate sample.

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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

** = Filtered Sample.

Remedial

Wells / Compounds	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.

* 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.

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	6/5/1992	11/11/1992	3/14/1994	5/23/1995	10/17/1995	5/14/1996	10/23/1996	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999
Carbon Disulfide	None*	ND	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J
Chloromethane	5	40	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	8.4 B/ND**	57.4/ND**	not sampled	ND	ND	ND	ND	ND	ND	ND	3.2 BJ	0.98B
Hexavalent Chromium	50*	NA	NA	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-27D													
Carbon Tetrachloride	5	75/62 dp	23	not sampled	33/42 dp	56	31	28	26	22	27	26 / 27 dp	20.3 / 20.1 dp
Chloroform	7	ND	3	not sampled	4/4 dp	5	3	3	3	2	3	2 / 2 dp	1.8 / 1.8 dp
Chloromethane	5	4 J/28 dp	ND	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND	ND / ND dp
Trichloroethene	5											ND/ND dp	4.1/4.1 dp
Trichlorofluoromethane	5*	no data	no data	not sampled	no data	no data	no data	no data	no data	no data	no data	0.3 J / 0.3 J dp	0.92J / 0.99J dp
Chromium	50*	2.0 B/ND**	19.8/ND**	not sampled	ND/ND dp	ND	ND	ND	ND	1.2B	ND	4.6 BJ /	1.4 B /
		2.0 B/ND** dp										4.8 BJ dp	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.

 $NA = Not \ analyzed.$

 $ND = Not \ detected. \\$

 $\label{eq:J} J = Estimated \ concentration.$

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.

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

	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 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.

 $NA = Not \ analyzed.$

 $ND = Not \ detected. \\$

 $\label{eq:J} J = Estimated \ concentration.$

dp = Duplicate sample

 $B=\mbox{The reported}$ value is less than the CRQL/CRDL but greater than the IDL.

 $D = Indentifies \ compound \ analyzed \ at \ a \ secondary \ dilution \ factor.$

* 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.

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

Action

M-27S	Objective	10/2005	5/23/2006	10/16/2006	5/14/2007	10/16/2007	5/14/2008	10/13/2008
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.

lp = Duplicate sample

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

D = Indentifies compound analyzed at a secondary dilution factor.

* 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

Wells / Compounds 4D	Remedial Action	CH CI24002	11/10 11/10/1002	44 70004	5/24/2005	10/24/2007	5/22/200 5	1011512005	5/4.4/200 5	40/45/2007	5 /4 A / 2000	40.42.42000
	Objective 50	6/1-6/2/1992 ND	11/18-11/19/1992 ND R	11/2004 ND	5/24/2005 ND	10/24/2005 ND	5/23/2006 ND	10/16/2006 ND	5/14/2007 ND	10/16/2007 ND	5/14/2008 ND	10/13/2008 ND
Acetone												
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	9Ј	7	ND	0.8 J	0.9J	1 J	2.0	1	1	1	2
M-24D						I	1	1	1	I	T	T.
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 $\mu g/l$ (ppb) unless otherwise stated. $D^* = \text{Concentration determined from a sample dilution.}$

Only detected compounds are listed. J = Estimated concentration.

See Remedial Investigation report for additional ϵV = Estimated concentration: due to variance to quality

NA = Not analyzed. control limits.

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

 $NS = Not \ sampled. \\ * \ Based \ on \ NYSDEC \ Final \ Combined \ Regulatory \ Impact \ and \ Environmental \\ B = The \ reported \ value \ is less \ than \ the \ CRQL/CR \qquad Impact \ Statement \ (Title 6, \ Chapter \ X, \ Parts \ 700-706, 1998), \ identified$

dp = Duplicate sample. for comparison purposes only.

E = Estimated concentration: due to interference. ** = Filtered Sample.

R = Analysis rejected

FIGURES

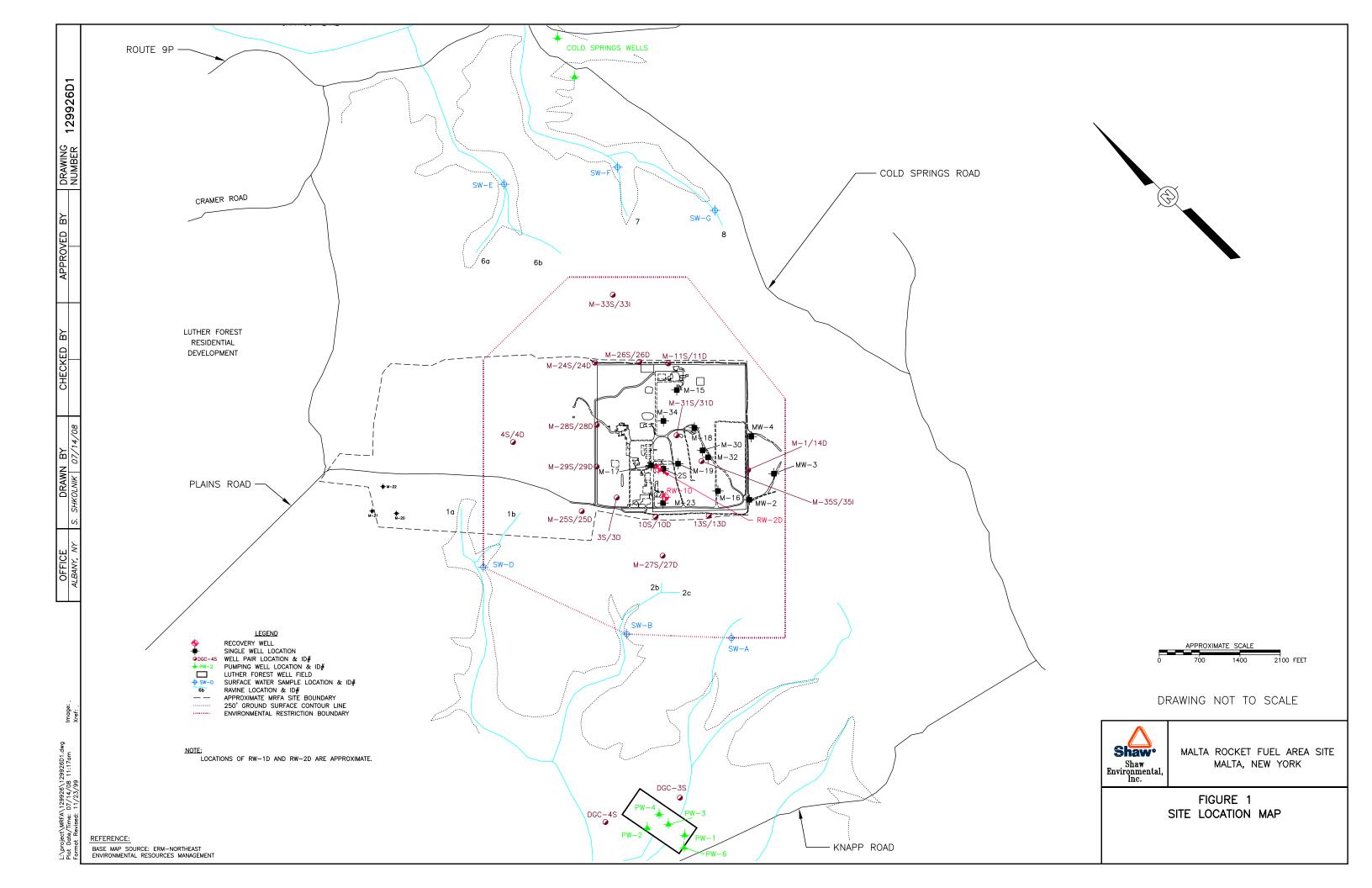


FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS

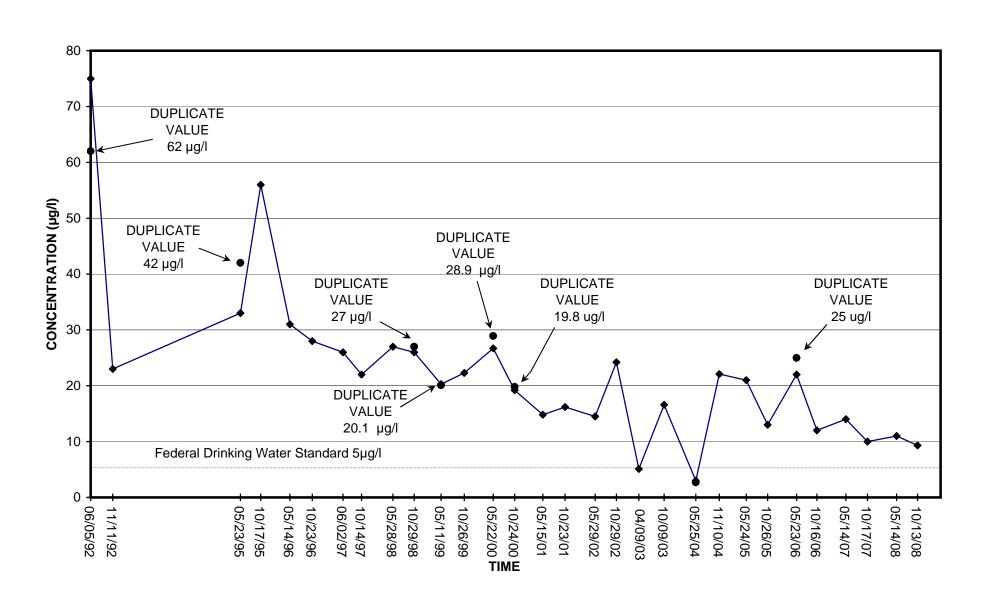


FIGURE 3
SIMULATED VERSUS OBSERVED (OCTOBER 2008)
CARBON TETRACHLORIDE CONCENTRATIONS
AT WELL M-27D

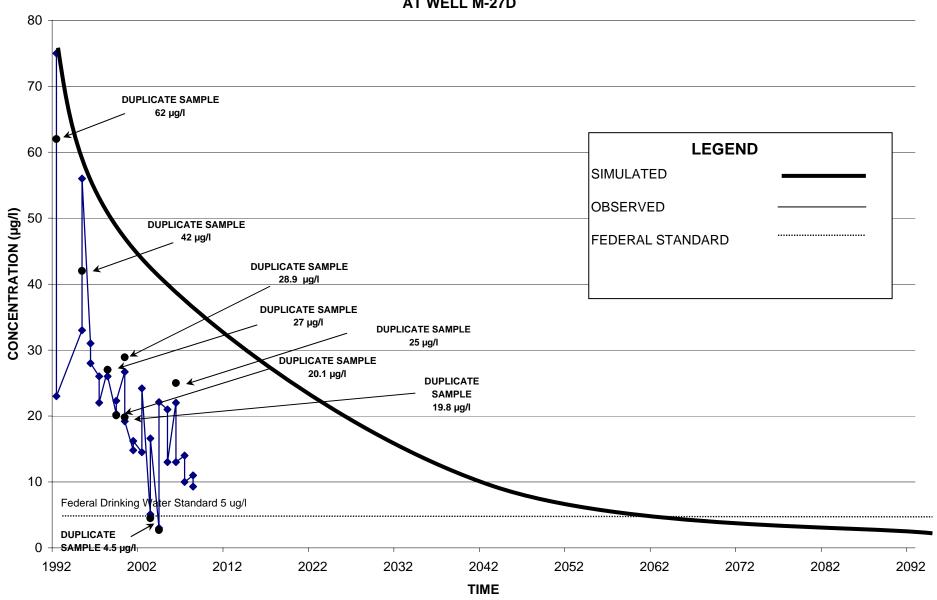


FIGURE 4
SIMULATED VERSUS OBSERVED (OCTOBER 2008)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33S

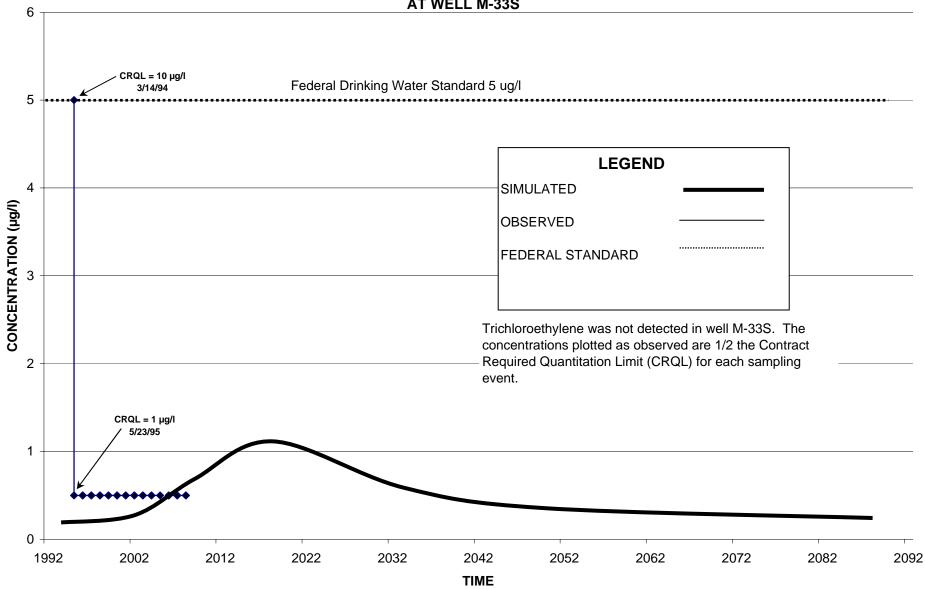
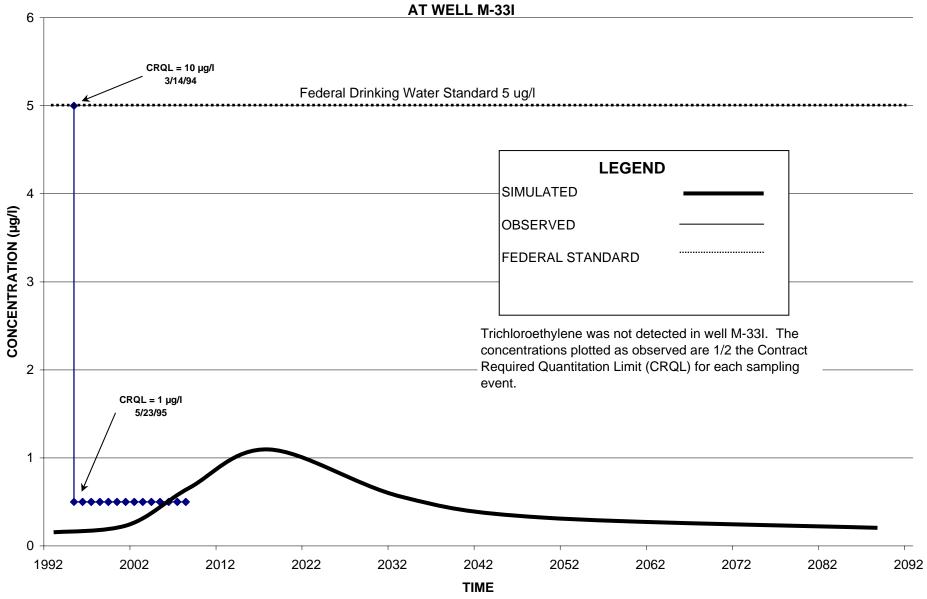
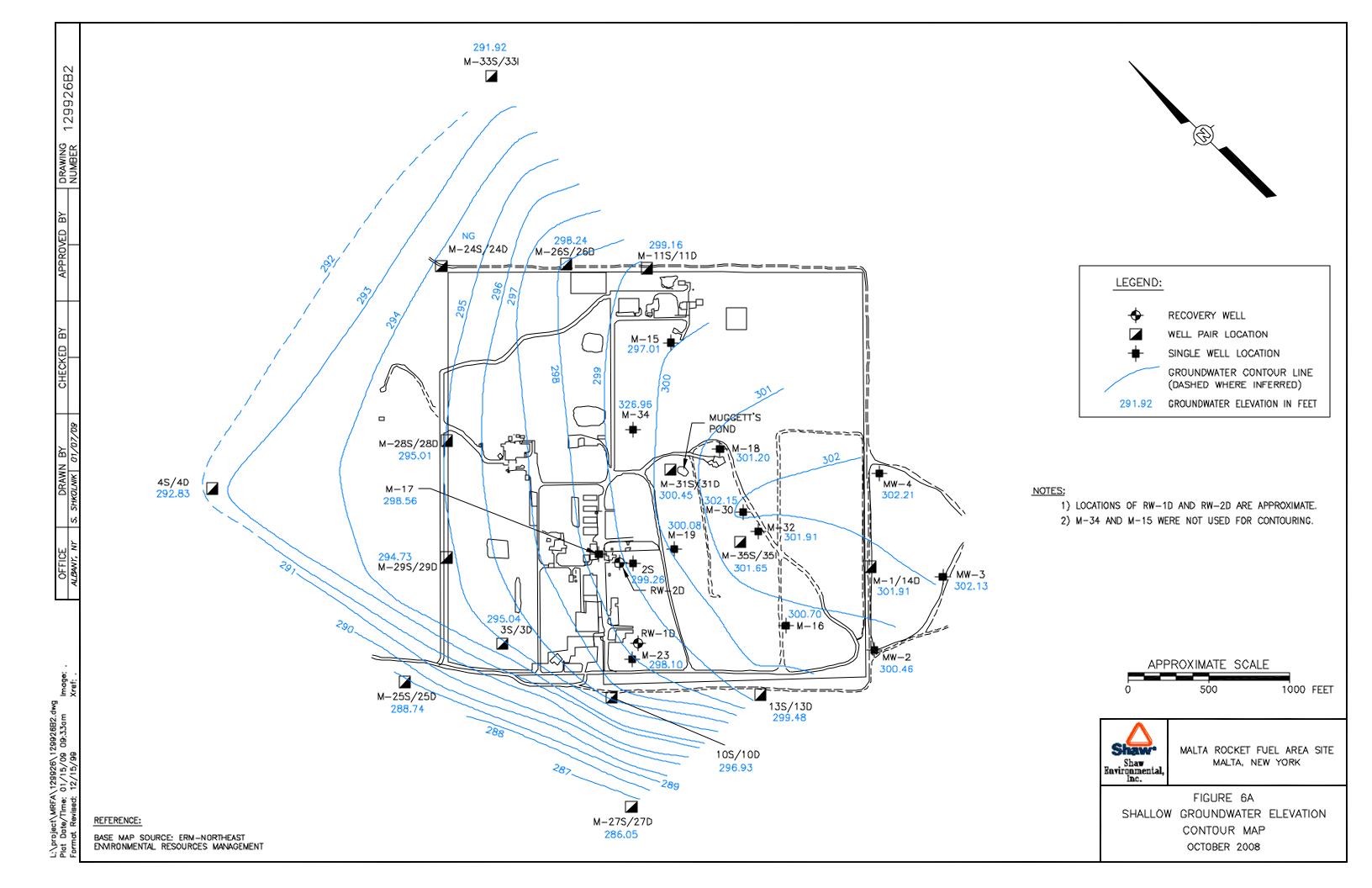
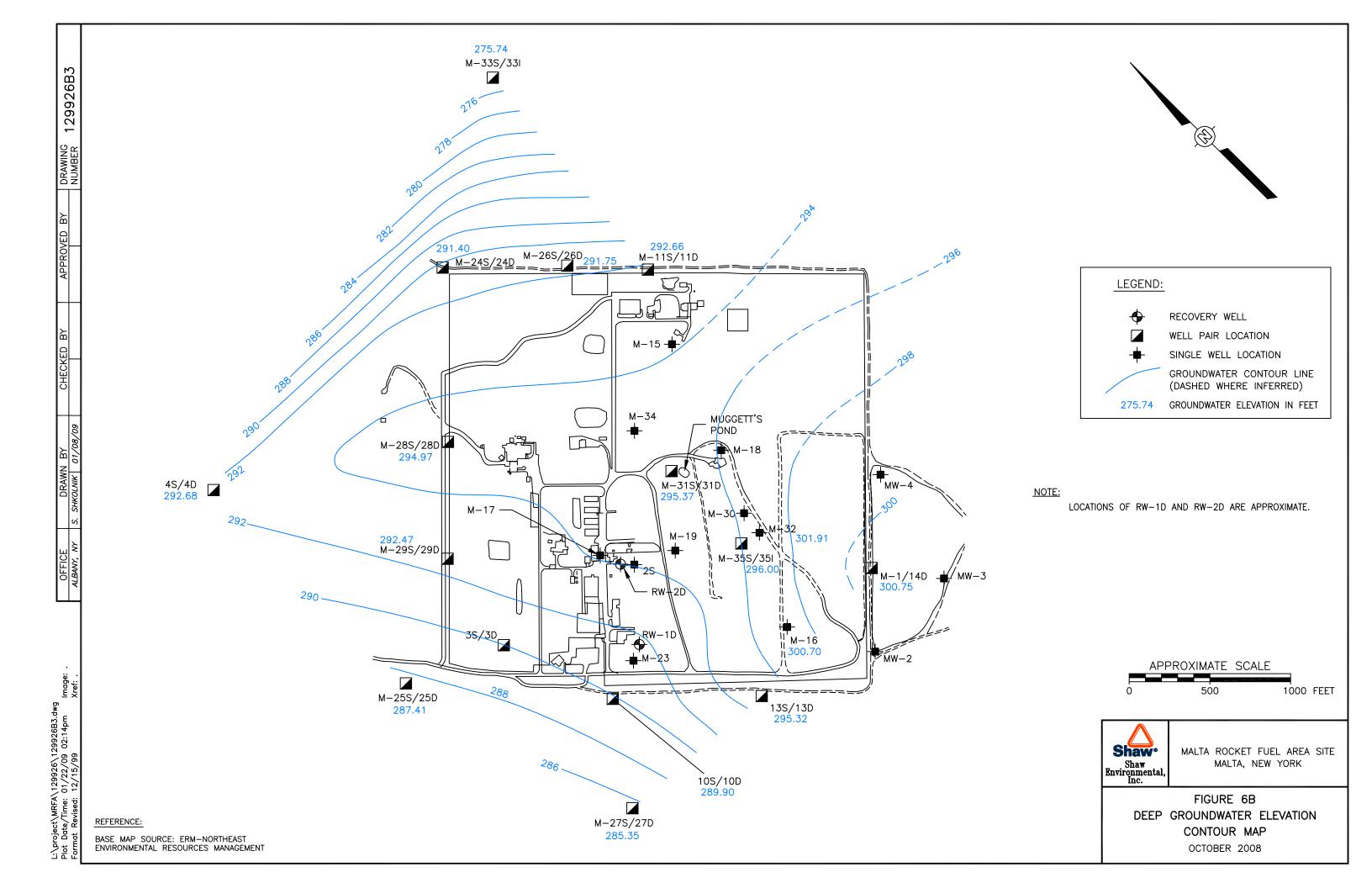


FIGURE 5
SIMULATED VERSUS OBSERVED (OCTOBER 2008)
TRICHLOROETHENE CONCENTRATIONS







APPENDIX A

LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES

AUGUST 6, 2008



(585) 288-8475 fax

File Code:

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 $\frac{29}{}$ 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

SDG#:INFLUENT		BATCH C	OMPLETE:yes		DATE REVISED:				
SUBMISSION			E REQUESTED: Y_X N		DATE DUE	: 8/29/08			
	Shaw Environmental	DATE: 8/1			PROTOCC	CLP			
	Carlton Beechler	CUSTOD	Y SEAL: PRESENT/ABSENT:		SHIPPING	No.:			
		CHAIN O	F CUSTODY: PRESENT/ABSENT:					_	
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	р́Н	%	REMARKS	
				SAMPLED	RECEIVED		SOLIDS	AMPLE CONDITIO	
1124913QC	INFLUENT	WATER	OLC2.1VOA	8/6/2008	8/8/2008				
	DUPE	WATER	OLC2.1VOA	8/6/2008	8/8/2008				
	EFFLUENT	WATER	OLC2.1VOA	8/6/2008	8/8/2008				
	TRIP BLANK	WATER	OLC2.1VOA	8/6/2008	8/8/2008				
1124918	COOLER BLANK	WATER	OLC2.1VOA	8/6/2008	8/8/2008				
				ı					
			-						
				·					
						-			
		 							







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 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

H:\FORMS\QUALIF_O.DOC



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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

PAGE	OF	CAS Contact

SR#

www.castab.com Project Name ANALYSIS REQUESTED (Include Method Number and Container Preservative) 129926 GE MRFA Brian Neumann Steve Meier, Judy Harry
any/Address
Shaw Environmental, Inc **PRESERVATIVE** Company/Address Preservative Kev 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 13 British American Blvd GCMS VOAS GCMS VOAS GCMS SVOAS GCVOAS GC VOAS DBSZ J GO 5. Zn. Acetate Latham, NY 6. MeOH 12110 7. NaHSO₄ Р 518 - 783 - 8397 Sampler's Printed Name 8. Other NUMBER Marc Flanagan FOR OFFICE USE ONLY SAMPLING REMARKS/ **CLIENT SAMPLE ID** DATE LAB ID TIME MATRIX ALTERNATE DESCRIPTION 8608 GW Influent 900 Influent (MS) 905 905 Influent (MSD) Dupe 1 Effluent 910 Trip Blank REPORT REQUIREMENTS INVOICE INFORMATION TURNAROUND REQUIREMENTS SPECIAL INSTRUCTIONS/COMMENTS I, Results Only Metals **RUSH (SURCHARGES APPLY)** * GAP OLC 2.1 YOAs plus hexachlorobutadiene, 1,2,3- trichlorobenzene, trichlorofluoro-methane 24 hr 48 hr ____ 5 day __ II. Results + QC Summaries PO# (LCS, DUP, MS/MSD as required) X__ STANDARD BILL TO: III. Results + QC and Calibration REQUESTED FAX DATE Summaries IV. Data Validation Report with Raw Data REQUESTED REPORT DATE V. Speicalized Forms / Custom Report See QAPP SUBMISSION #: Edata ____ Yes ____ No CUSTODY SEALS: Y N SAMPLE RECEIPT: CONDITION/COOLER TEMP: RECEIVED BY RELINQUISHED BY RECEIVED BY RELINQUISHED BY RELINQUISHED BY RECEIVED BY Signature Signature Signature Signature Printed Name Printed Name Printed Name Printed Name Firm Date/Time Date/Time Date/Time Date/Time SCOC-1102-08

Cooler Receipt And Preservation Check Form

				Cooler Meersh						
	Ch	۱. به		(Ato	Subm	ssion Numbe	er <u>Ra-</u>	45271	 •	
ject/Clie	nt_ <u>Sh</u>	un.					TI TI	-DEV VEI	OCITY	CLIENT
oler recei	ived on B	3 C	16	by: MCC	OURIEI	R: CAS C	JPS 7F1	DEA VLI		02.2.
Wer Wer Did Did We	re custody re custody all bottles any VOA	seal: pape arri vial ce pa	s on ers p ve ir s ha	outside of cooler? properly filled out a good condition (ve significant* air present? All	? (ink, sig unbroke bubbles	ned, etc.)? n)? s?		YES NO YES NO YES NO YES NO YES NO CAS/ROC,	0 0 0 1	N/A T
Ter	mperature	01 00	دے ری	(E) @P = = 1	Yes	Yes	Y	es Y	es	Yes
Is t	he temper	ature	: W11.	hin 0° - 6° C?:	No	No	7	10 <i>J</i>	10	No
1f	No, Expla	in B	elow	' \.	1	_	•	,		
Da	ate/Time T	empe	erati	ares Taken: 🚫	R10.8	1000		T D	1. /	Somple Bottle
	018	+ ID:	16	/]R GUN#2 /	IR GUI	V#3 Read	ing Fron	u: (1 emp 15)	ank /	sample Dottle
C Secon Cooler Bi i. W 2. D 3. W	dary Revieuse dary Revieuse de la	Datalle la	ie:_ bels els a ntain	complete (i.e. and tags agree with ers used for the test	alysis, procustod	by: reservation, e y papers? ated?	etc.)?	YES I	70 70 70	lated N/A/
Explain a	any discrep	anci			Exp	Sample lD	Vol.	Lot Added	Final	Yes = All
р Н	Reagent	YES	NO	Lot Received	Exh	Sample 12	Added,	<u></u>	pH_	samples OK
≥12	NaOH								 	No=
≤2	HNO ₃									Samples were
≤2	H ₂ SO ₄			If present, contact	PM to		 			preserved at
Residual Chlorine	For TCN and			add ascorbic acid	1 1/1 (0			1	·U	lab as listed
(-)	Phenol Na ₂ S ₂ O ₃	-				*Not to be to	ested before	ore analysis – j y VOAs or Ge	nChem	PM OK to
	Zn Aceta	 -	-		,	on a separate	workshe	eet		Adjust:
		*	*	ESOAII	07/09	on a separate				
	HCl		<u> </u>			•	•			
Bottle lot	numbers:	8-116	<u>-00</u>	3						

Other Comments:

PC Secondary Review: ________9/-

*significant air bubbles are greater than 5-6 mm

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name:	CAS/RO	OCH			Contract:	IT Latham		
Lab Code: 10145		Case No.: R8-45271			SAS No	•	SDG No.: Influent	<u>t</u>
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID	: 1124913 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>M</u>	1L	Lab	File ID:	W1160.D	
Level: (low/m	ned)	LOW			Dat	e Received:	: 8/8/08	
% Moisture: r	not dec.	. '			Dat	e Analyzed:	8/14/08	
GC Column:	DB-VF	X ID:	0.18 (mm)) -	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume:	(uL)

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	B E
71-43-2	Benzene		1 U
79-01-6	Trichloroethene	56	6 E
78-87-5	1,2-Dichloropropane	•	1 U
75-27-4	Bromodichloromethane	•	I U
10061-01-5	cis-1,3-Dichloropropene		I 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	5 U
124-48-1	Dibromochloromethane	0.2	2 J
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	
1330-20-7	(m+p) Xylene	1	
1330-20-7	o-Xylene	1	
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	
75-25-2	Bromoform	0.6	
541-73-1	1,3-Dichlorobenzene	1	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

									NFLUEN	Гі	
Lab Name:	CAS/RC	OCH			Contract:	IT L	atham				
Lab Code:	10145	Ca	ase No.:	R8-45271	SAS No	o.:	S	DG No.	: Influen	t	
Matrix: (soil/\	water)	WATER			La	b Sar	nple ID:	11249	13 1.0		
Sample wt/vo	25.0	_ (g/ml)	ML	La	b File	ID:	W1160).D	•		
Level: (low/n	LOW			Da	ite Re	ceived:	8/8/08				
% Moisture: r	not dec.		T		Da	ite An	alyzed:	8/14/08			
GC Column:	DB-VR	X ID: 0.	18 (m	m)	Dil	ution	Factor:	1.0	1.0		
Soil Extract Volume: (uL)					Soi	il Aliq	uot Volu	me:		(uL)	
				CON	CENTRAT	ION I	UNITS:				
CAS NO		COMP	OUND	(ug/L	or ug/Kg)	1	JG/L		Q		
106-46	-7	1,4-D	ichlorobe	nzene	······································		,	1	U	$\overline{}$	
95-50-1	1	1,2-D	ichlorobe	nzene	······································			1	U		
96-12-8	3			-chloropro	pane		*	1	Ŭ		
120-82-	-1		Trichloro				***	1	Ū		
87-68-3	3		chlorobuta		1			1	Ū		
87-61-6	3	1,2,3-	Trichlorol	penzene				1	Ü	\neg	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPI	LE NO
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Lab Name:	CAS/RO	OCH			Contract:	IT Latha	am	INF	LUEN	
Lab Code:	10145		Case No.:	R8-45271	SAS No	.:	SI	DG No.:	Influent	t
Matrix: (soil/v	vater)	WATER			Lat	Sample	ID:	1124913	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:		W1160.E)	
Level: (low/n	ned)	LOW			Dat	e Receiv	ed:	8/8/08		
% Moisture: r	not dec.				Dat	e Analyz	ed:	8/14/08		
GC Column:	DB-VF	X ID: C).18 (m	m)	Dilu	ition Fac	tor:	1.0		
Soil Extract Volume			(uL)		Soil	Aliquot	Volur	ne:		(uL)
				CON	CENTRAT	ION UNI	TS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/	L			
CAS NO.		СОМРО	UND NAM	ΙE		RT	ES	T. CONC.	. (Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CA	S/ROCH		Contract: IT Latham		
Lab Code: 10	145	Case No.: R8-4527	1 SAS No.:S	DG No.: Influent	
Matrix: (soil/wate	r) <u>WATE</u> I	R	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 d	lec	·	Date Analyzed:	8/15/08	
GC Column: D	B-VRX ID:	0.18 (mm)	Dilution Factor:	2.5	
Soil Extract Volun	ne:	(uL)	Soil Aliquot Volu	me:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	Ū
74-83-9	Bromomethane	2	Ū
75-00-3	Chloroethane	2	Ū
75-69-4	Trichlorofluoromethane	2	Ū
75-35-4	1,1-Dichloroethene	2	Ü
67-64-1	Acetone	7	JBD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	Ŭ
156-60-5	trans-1,2-Dichloroethene	2	Ū
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	Ū
78-93-3	2-Butanone	12	Ū
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	Ū
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	Ū
75-27-4	Bromodichloromethane	2	Ū
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	Ū
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	Ū
591-78-6	2-Hexanone	12	Ū
124-48-1	Dibromochloromethane	2	Ū
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	Ū
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	Ü
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

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Lab Name:	CAS/RC	CH			Contract:	IT Latham			
Lab Code:	10145	C	ase No.:	R8-45271	SAS No	.:	SDG No.:	Influent	!
Matrix: (soil/w	vater)	WATER	to de April programa		Lat	Sample ID): <u>1124913</u>	3 2.5	
Sample wt/vo	d:	25.0	(g/ml)	ML	Lat	File ID:	W1164.[)	
Level: (low/m	ned)	LOW			Dat	e Received	l: 8/8/08		
% Moisture: n	ot dec.				Dat	e Analyzed	: 8/15/08		
GC Column:	DB-VR	X ID: 0	.18 (m	m) ,	Dilu	ition Factor	2.5		
Soil Extract Vo	· · · · · · · · · · · · · · · · · · ·	(uL)		Soil	Aliquot Vol	lume:		(uL)	
				CON	CENTRAT	ION UNITS	:		
CAS NO.		COMP	OUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	7	1,4-D	ichlorobe	nzene	<u> </u>		2	U	\neg
95-50-1		1 2-0	ichlorobe	nzono				111	_

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

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/voi: 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: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: CAS NO. **COMPOUND NAME** RT EST. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE

Lab Name:	CAS/RO	OCH			Contract:	IT Latham		
Lab Code:	10145		Case No.: R8-45271		SAS No.:		SDG No.: Influent	
Matrix: (soil/v	water)	WATE	R		Lab	Sample ID:	1124915 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W1165.D	
Level: (low/n	ned)	LOW			Dat	e Received:	8/8/08	
% Moisture: ı	not dec.				Dat	e Analyzed:	8/15/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:	•	(uL)		Soil	Aliquot Volui	me:	(ul

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	Ū
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	Ū
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	Ū
100-42-5	Styrene	1	Ū
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

								DUPE	
Lab Name:	CAS/RO	OCH			Contract:	IT Latham	_		
Lab Code:	10145	Ca	se No.: R	8-45271	SAS No	o.: S	DG No.:	Influent	
Matrix: (soil/v	water)	WATER			Lal	b Sample ID:	1124915	5 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	/L	Lal	File ID:	W1165.I	D	
Level: (low/n	ned)	LOW			Da	te Received:	8/8/08		
% Moisture: r	not dec.				Da	te Analyzed:	8/15/08		
GC Column:	DB-VF	X ID: 0.	18 (mm)	Dilu	ution Factor:	1.0		
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Volu	me:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO).	COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	i-7	1,4-Di	chlorobenz	zene			1	U	\neg
95-50-	1	1,2-Di	chlorobenz	zene			1	U	
96-12-8	 B	1,2-Di	bromo-3-c	hloropro	pane		1	U	
120-82			Trichlorobe				1	U	
87-68-3	3		hlorobutac				1	U	

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAM	PLE NO
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			· · · · · · · · · · · · · · · · · · ·					l		1
Lab Name:	CAS/RC)CH		Contra	ct:	IT Latham		DI	UPE	
Lab Code:	10145		ase No.: R8-	45271 SAS	No		SD	G No.: <u>l</u> ı	nfluent	
Matrix: (soil/v	water)	WATER			Lab	Sample II	D: <u>1</u>	124915 1	1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	•	Lab	File ID:	V	V1165.D		
Level: (low/n	ned)	LOW			Dat	e Received	d: <u>8</u>	/8/08		
% Moisture: r	not dec.		~~~		Dat	e Analyzed	d: <u>8</u>	/15/08		
GC Column:	DB-VR	X ID: 0).18 (mm)		Dilu	tion Factor	r: <u>1</u>	.0		
Soil Extract V	/olume: _		(uL)		Soil	Aliquot Vo	olum	e:		(uL)
				CONCENTE	RAT	ON UNITS	3 :			
Number TICs	found:	0		(ug/L or ug/k	(g) 	UG/L				
CAS NO.		СОМРО	UND NAME			RT I	EST.	CONC.	(Q.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Contract: IT Latham	
SAS No.: SDG No.: Influent	t
Lab Sample ID: 1124916 1.0	
Lab File ID: W1159.D	
Date Received: 8/8/08	
Date Analyzed: 8/14/08	
Dilution Factor: 1.0	
Soil Aliquot Volume:	(uL
	SAS No.: SDG No.: Influent Lab Sample ID: 1124916 1.0 Lab File ID: W1159.D Date Received: 8/8/08 Date Analyzed: 8/14/08 Dilution Factor: 1.0

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	Ū
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ū
79-34-5	1,1,2,2-Tetrachloroethane	i	Ū
75-25-2	Bromoform	1	
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name:	CAS/ROC	H		Contract:	IT Latham	L	CFFCOENT			
Lab Code:	10145	Case No.:	R8-45271	SAS No). :	SDG	No.:	Influent		
Matrix: (soil/w	vater) <u>V</u>	VATER		Lal	Sample ID	: 112	24916	1.0		
Sample wt/vo	l: <u>2</u>	5.0 (g/ml)	ML	Lal	File ID:	W1	159.[)		
Level: (low/m	ed) <u>L</u>	OW		Da	te Received:	8/8	/08			
% Moisture: n	ot dec.			Dat	te Analyzed:	8/1	4/08			
GC Column:	DB-VRX	ID: <u>0.18</u> (m	m) ,	Dilu	ıtion Factor:	1.0				
Soil Extract Vo	olume:	(uL)		Soi	Aliquot Vol	ume:			(uL)	
			CON	CENTRAT	ION UNITS:		•		•	
CAS NO.		COMPOUND	(ug/L	or ug/Kg)	UG/L			Q		
106-46-	7	1,4-Dichlorobe	nzene				1	U	\neg	
95-50-1		1,2-Dichlorobe	nzene				1	U	\dashv	
06-12-8		1.2-Dibromo-3		2000			<u>.</u>	- :-	\dashv	

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	E NO.
	<u></u>	

Lab Name:	CAS/RC	OCH			Contract:	IT Latha	am		
Lab Code:	10145	Ca	se No.: _l	R8-45271	SAS No	o.:	_ SI	DG No.: Influ	uent
Matrix: (soil/w	ater)	WATER	_		La	b Sample	ID:	1124916 1.0	<u> </u>
Sample wt/vol	!:	25.0	(g/ml)	ML	Lal	b File ID:		W1159.D	
Level: (low/me	ed)	LOW	_		Da	te Receiv	ed:	8/8/08	
% Moisture: no	ot dec.				Da	te Analyz	ed:	8/14/08	
GC Column:	DB-VR	X ID: 0.1	18 (mr	n)	Dile	ution Fac	tor:	1.0	
Soil Extract Vo	olume: _		_ (uL)		Soi	l Aliquot	Volur	me:	(uL)
				CON	CENTRAT	ION UNI	TS:		
Number TICs f	found:	0	_	(ug/L	or ug/Kg)	UG/	L		
CAS NO.		COMPOU	ND NAMI	E		RT	ES	T. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name:	CAS/RO	CAS/ROCH			IT Latham	
Lab Code:	10145		Case No.: <u>R8-45271</u>	SAS No	.: s	DG No.: Influent
Matrix: (soil/w	vater)	WATER	<u> </u>	Lat	Sample ID:	1124917 1.0
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	Lab	File ID:	W1158.D
Level: (low/m	ned)	LOW		Dat	e Received:	8/8/08
% Moisture: n	not dec.			Dat	e Analyzed:	8/14/08
GC Column:	DB-VR	X ID:	0.18 (mm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)	Soil	Aliquot Volu	me: (u

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	Ų
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

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	ОСН			Contract:	IT Lathar	n	LIKII	DLAN	
Lab Code:	10145	Ca	se No.:	R8-45271	SAS No		SD	G No.:	Influent	
Matrix: ˌ(soil/v	vater)	WATER			Lat	Sample l	D: <u>1</u>	124917	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V	V1158.E)	
Level: (low/n	ned)	LOW			Dat	e Receive	d: 8	/8/08		
% Moisture: r	not dec.		·		Dat	e Analyze	d: 8	/14/08		
GC Column:	DB-VR	X ID: <u>0.</u>	18_ (mi	m)	Dilu	ition Facto	or: 1	.0		
Soil Extract V	olume: _		_ (uL)		Soil	Aliquot V	olum	e:		(uL)
				CON	CENTRAT	ION UNIT	S:			
CAS NO	•	COMP	DUND	(ug/L	or ug/Kg)	UG/L			Q	
106-46-	-7	1,4-D	ichlorobei	nzene				1	U	
95-50-1		1,2-Di	chlorobei	nzene				1	U	
96-12-8	}			chloropro	pane		V-14-4	1	U	
120-82-	-1		Trichlorob		· · · · · · · · · · · · · · · · · · ·		-	1	U	

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3 87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/R	OCH			Contract:	IT Lat	ham	TRIPB	LANK
Lab Code:	10145	C	ase No.: R	8-45271	SAS No	o.:	sr	DG No.: Infl	uent
Matrix: (soil/	water)	WATER			La	b Samp	le ID:	1124917 1.0) .
Sample wt/vo	ol:	25.0	_ (g/ml) <u>N</u>	ИL	La	b File IC):	W1158.D	
Level: (low/n	ned)	LOW	_		Da	te Rece	ived:	8/8/08	
% Moisture: r	not dec.		 -		Da	te Analy	/zed:	8/14/08	
GC Column:	DB-VF	<u> </u>	18 (mm)	Dil	ution Fa	ctor:	1.0	
Soil Extract V	/olume:		(uL)		So	il Aliquo	t Volun	ne:	(uL)
				CON	CENTRAT	ION UN	NTS:		
Number TICs	found:	0	_	(ug/L	or ug/Kg)	UC	6/L		
CAS NO.		COMPOL	IND NAME			RT	EST	Γ. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/RO	DCH		Contrac	ct:	IT Latham			
Lab Code:	10145		Case No.: <u>R8-45</u>	271 SAS	No	.:	SDG N	No.: Influent	<u> </u>
Matrix: (soil/v	vater)	WATER	2		Lat	Sample ID	: 112	4918 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>		Lat	File ID:	W11	166.D	
Level: (low/n	ned)	LOW	-		Dat	te Received:	8/8/0	08	
% Moisture: r	not dec.		1	i	Dat	e Analyzed:	8/15	5/08	
GC Column:	DB-VF	X ID:	0.18 (mm)	ı	Dilu	ition Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume:		(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	Ū
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	Ü
71-55-6	1,1,1-Trichloroethane	1	Ū
56-23-5	Carbon Tetrachloride	1	Ū
71-43-2	Benzene	1	Ŭ
79-01-6	Trichloroethene	1	Ü
78-87-5	1,2-Dichloropropane	1	Ū
75-27-4	Bromodichloromethane	1	Ü
10061-01-5	cis-1,3-Dichloropropene	1	Ū
108-10-1	4-Methyl-2-Pentanone	5	Ü
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	Ū
79-00-5	1,1,2-Trichloroethane	1	Ū
127-18-4	Tetrachloroethene	1	Ū
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	0.2	J
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	0.6	J
541-73-1	1,3-Dichlorobenzene	1	U U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/R	OCH		Contract:	IT Latham		
Lab Code:	10145		Case No.: <u>R8-45271</u>	SAS No	: S	SDG No.: Influent	<u>t</u>
Matrix: (soil/v	vater)	WATER	<u> </u>	Lai	Sample ID:	1124918 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	File ID:	W1166.D	
Level: (low/n	ned)	LOW	· 	Da	te Received:	8/8/08	
% Moisture: r	not dec.			Dat	te Analyzed:	8/15/08	
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (mm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soi	l Aliquot Volu	ıme:	(uL)
			CON		IONI LINUTO:		

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	CH			Contract:	IT Latha	am	000	LLK B	LN
Lab Code:	10145	(Case No.:	R8-45271	SAS No	.:	SD	G No.:	Influen	t
Matrix: (soil/w	ater)	WATER			Lat	Sample	ID:	1124918	3 1.0	
Sample wt/vo	:	25.0	(g/ml)	ML	Lat	File ID:	Ţ	W1166.[)	
Level: (low/m	ed)	LOW			Dat	te Receiv	ed: 8	3/8/ 08		•
% Moisture: n	ot dec.				Dat	e Analyz	ed: <u>{</u>	3/15/08		
GC Column:	DB-VR	<u>X</u> ID: <u>(</u>	0.18 (m	ım)	Dilu	ition Fact	or: 1	1.0		
Soil Extract Vo	olume: _		(uL)		Soil	Aliquot \	√olum	ne:		(uL)
				CON	CENTRAT	ION UNI	ΓS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/I	<u>.</u>			
CAS NO.		СОМРО	UND NAN	1E		RT	EST	. CONC	•	Q

ATTENDED TO THE REPORT OF THE PROPERTY OF THE

2A 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	SMC1	TOT
	SAMPLE NO.	#	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

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH

Contract: IT Latham

Lab Code: 10145

Case No.: <u>R8-45271</u> SAS No.: <u>SDG No.: Influent</u>

Matrix Spike - EPA Sample No INFLUENT

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD			
	ADDED	ADDED CONCENTRATION (ug/L) R		%	QC I	IMITS
COMPOUND	(ug/L)			RPD#	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

Lab Name:	CAS/RC	CH			Contract:	IT Latham		
Lab Code:	10145		Case No.:	R8-45271	SAS No	.: s	DG No.: Influent	
Matrix: (soil/w	ater)	WATE	R		Lat	Sample ID:	1129971 1.0	
Sample wt/vol	!:	25.0	(g/ml)	ML	Lat	File ID:	W1161.D	
Level: (low/m	ed)	LOW			Dat	e Received:	8/8/08	
% Moisture: n	ot dec.		, 		Dat	e Analyzed:	8/14/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	m)	Dilu	ıtion Factor:	1.0	
Soil Extract Vo	olume: _		(uL)		Soi	Aliquot Volu	me:	(uL

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	Ū
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	Ε
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

5

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Lab Name: CAS/ROC	Н	Contract: IT Latham	MPLOENTIA	10
Lab Code: <u>10145</u>	Case No.: R8-45271	SAS No.: S	DG No.: Influent	
Matrix: (soil/water) <u>W</u>	/ATER	Lab Sample ID:	1129971 1.0	
Sample wt/vol: 25	5.0 (g/ml) ML	Lab File ID:	W1161.D	
Level: (low/med)	OW	Date Received:	8/8/08	
% Moisture: not dec.	. •	Date Analyzed:	8/14/08	
GC Column: DB-VRX	ID: <u>0.18</u> (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me:	(uL)
	CON	CENTRATION UNITS:		
CAS NO.	COMPOUND (ug/L	or ug/Kg) <u>UG/L</u>	Q	
106-46-7	1,4-Dichlorobenzene		5	
95-50-1	1,2-Dichlorobenzene		5	
96-12-8	1,2-Dibromo-3-chloroproproproproproproproproproproproprop	pane	5	

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RO	СН			Contract:	IT Latham	INFLUENTMS	SD
Lab Code:	10145		Case No.:	R8-45271	SAS No	.: S	DG No.: Influent	
Matrix: (soil/w	/ater)	WATEF	₹		Lat	Sample ID:	1129972 1.0	
Sample wt/vo	l: <u>2</u>	25.0	(g/ml)	ML	Lab	File ID:	W1162.D	
Level: (low/m	ned) <u>L</u>	.OW			Dat	e Received:	8/8/08	
% Moisture: n	ot dec.				Dat	e Analyzed:	8/14/08	
GC Column:	DB-VRX	ID:	0.18 (m	m)	Dilu	tion Factor:	1.0	
Soil Extract Vo	olume:		(uL)		Soil	Aliquot Volui	me:	(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	Trichlorofluorom	ethane	5	
75-35-4	1,1-Dichloroethe		5	
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	Ü
75-09-2	Methylene Chlor	ide	5	+ -
156-60-5	trans-1,2-Dichlor		5	
75-34-3	1,1-Dichloroetha		5	
156-59-2	cis-1,2-Dichloroe		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochlorometl	hane	6	0
67-66-3	Chloroform		11	
107-06-2	1,2-Dichloroethar	ne	5	
71-55-6	1,1,1-Trichloroeth		5	
56-23-5	Carbon Tetrachlo		42	E
71-43-2	Benzene		5	 -
79-01-6	Trichloroethene		60	Е
78-87-5	1,2-Dichloropropa	ine	6	<u> </u>
75-27-4	Bromodichlorome		6	
10061-01-5	cis-1,3-Dichloropr		5	
108-10-1	4-Methyl-2-Pentar		5	U
108-88-3	Toluene		5	
10061-02-6	trans-1,3-Dichloro	propene	5	
79-00-5	1,1,2-Trichloroetha		6	
127-18-4	Tetrachloroethene	!	5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromet	hane	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-Tetrachloro	ethane		
75-25-2	Bromoform	ouraile	5	
541-73-1	1,3-Dichlorobenzen	<u> </u>	6 5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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4

Lab Name:	CAS/R	OCH		Contr	act:	IT Latham	INFL	UENIM	ן שפ
Lab Code:	10145	Cas	se No.: <u>R8</u> -	-45271 SA	S No.	.: .	SDG No.:	Influent	
Matrix: (soil	/water)	WATER	-		Lab	Sample ID:	: 1129972	2 1.0	
Sample wt/	vol:	25.0	(g/mi) ML	•	Lab	File ID:	W1162.)	
Level: (low	/med)	LOW			Dat	e Received:	8/8/08		
% Moisture:	not dec.				Date	e Analyzed:	8/14/08		
GC Column	: DB-VF	RX ID: 0.1	8 (mm)		Dilu	tion Factor:	1.0		
Soil Extract Volume:			_ (uL)	•	Soil	Aliquot Volu	ıme:		(uL)
				CONCENT	RATI	ON UNITS:			
CAS N	О.	COMPO	UND	(ug/L or ug/	Kg)	UG/L		Q	
106-4	6-7	1,4-Dic	hlorobenze	ne			5	T	\neg
95-50	_1	1.2-Dic	hlorohenzo	200		1	Ē	 	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

Hexachlorobutadiene 1,2,3-Trichlorobenzene

96-12-8

120-82-1

87-68-3

87-61-6

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

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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.

Lab Name:	CAS/R	OCH			Contract:	IT Latham	203
Lab Code:	10145		Case No.:	R8-45271	SAS No	.:s	DG No.: Influent
Matrix: (soil/\	water)	WATER			Lat	Sample ID:	1129970 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W1155.D
_evel: (low/n	ned)	LOW			Dat	e Received:	
% Moisture: ı	not dec.		77 Add 174 Stations		Dat	e Analyzed:	8/14/08
GC Column:	DB-VF	RX ID: C	0.18 (m	m) -	Dilu	tion Factor:	1.0
Soil Extract V	/olume:		(uL)		Soil	Aliquot Volu	me:

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	14.5
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	V
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	7.
75-25-2	Bromoform	5	
541-73 - 1	1,3-Dichlorobenzene	5	

1A

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE NO.

1 .1 51	040/50	~			_			LCS	
Lab Name:	CAS/RO	CH			Contract:	IT Latham	_		
Lab Code:	10145	Ca	se No.: R8	-45271	SAS No	.: s	SDG No.:	Influent	t
Matrix:ˌ(soil/v	vater)	WATER	_	•	Lat	Sample ID:	112997	0 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>M</u> i	L	Lab	File ID:	W1155.	D	
Level: (low/m	ned) j	LOW	_		Dat	e Received:			
% Moisture: n	ot dec.				Dat	e Analyzed:	8/14/08		
GC Column:	DB-VR>	C ID: 0.1	8 (mm)		Dilu	ition Factor:	1.0		
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volu	me:		(uL)
				CONC	ENTRAT	ON UNITS:			
CAS NO.	•	COMPO	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	·7	1,4-Dic	hlorobenze	ene			5	1	
95-50-1			hlorobenze				5		_
96-12-8			romo-3-chi		ane		4		_
120-82-	1		richloroben				5		\neg

4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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	SAMPL	F NO
· , ,	Of MAIL P	.L 110.

Lab Name:	CAS/RO	CH			Contract:	IT Latham	VBLK	
Lab Code:	10145		Case No.:	R8-45271	SAS No.	.:S	SDG No.: Influent	•
Matrix: (soil/v	vater)	WATE	<u>R</u>		Lab	Sample ID:	1129969 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W1157.D	
Level: (low/m	ned)	LOW			Date	e Received:		
% Moisture : r	not dec.				Date	e Analyzed:	8/14/08	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	'olume: _		(uL)		Soil	Aliquot Volu	me:	(uL

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	Ü
75-00-3	Chloroethane	1	Ü
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	, 1	Ü
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	Ü
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ü
75-34-3	1,1-Dichloroethane	i	Ü
156-59-2	cis-1,2-Dichloroethene	1	Ü
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	Ü
67-66-3	Chloroform	1	Ü
107-06-2	1,2-Dichloroethane	1	Ü
71-55-6	1,1,1-Trichloroethane	1	Ü
56-23-5	Carbon Tetrachloride	1	Ü
71-43-2	Benzene	1	Ü
79-01-6	Trichloroethene	1	Ü
78-87-5	1,2-Dichloropropane	1	Ü
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	Ü
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	Ü
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U U
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene	1	U
330-20-7	(m+p) Xylene	1	U
330-20-7	o-Xylene		
00-42-5	Styrene		U
9-34-5	1,1,2,2-Tetrachloroethane		U
5-25-2	Bromoform		<u>U</u>
41-73-1	1,3-Dichlorobenzene	1 1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1

U

								VBLK	
Lab Name:	CAS/RC	DCH			Contract:	IT Latham			
Lab Code:	10145	Ca	se No.: R	3-45271	SAS No	.:	SDG No.:	Influen	 t
Matrix: (soil/\	water)	WATER	_		Lat	Sample ID:	112996	9 1.0	
Sample wt/vo	ol:	25.0	(g/ml) M	L	Lat	File ID:	W1157.	D	
Level: (low/r	ned)	LOW	_		Dat	e Received:			*
% Moisture: ı	not dec.	. •	_		Dat	e Analyzed:	8/14/08		
GC Column:	DB-VR	X ID: 0.1	18 (mm)	1	Dilu	tion Factor:	1.0		
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volu	ıme:		(uL)
				CON	CENTRATI	ON UNITS:			
CAS NO		COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	-7	1,4-Die	chlorobenze	ene		1	1	U	\neg
95-50-1	1		chlorobenze				 ;-	Ü	\dashv
96-12-8	3		oromo-3-ch		ane		1	$\frac{\overline{U}}{U}$	\dashv
120-82-	-1		richlorober				1	Ü	\dashv

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	CH			Contract:	IT Lath	am		VBLK	
Lab Code:	10145	с	ase No.:	R8-45271	SAS No	•	s	DG No.:	Influent	
Matrix: (soil/w	vater)	WATER	_		Lat	Sampl	e ID:	1129969	1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML	_ Lat	File ID	:	W1157.[)	
Level: (low/m	ned)	LOW			Dat	te Recei	ved:			
% Moisture: n	not dec.				Dat	e Analy	zed:	8/14/08		
GC Column:	DB-VR	<u> </u>	<u>.18</u> (m	nm)	Dilu	ition Fac	ctor:	1.0		
Soil Extract V	olume:		(uL)		Soi	Aliquot	Volu	me:		(uL)
				CON	CENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	/L			
CAS NO.		СОМРО	UND NAN	ИE		RT	ES	T. CONC	;. <i>(</i>	ב

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract:	IT Latham	
Lab Code:	10145	Case No.	: R8-45271	SAS No	.: SDG I	No.: Influent
Lab File ID:	W1146.D			BF	B Injection Date:	8/14/08
Instrument ID	GCMS#6	·		BF	B Injection Time:	14:28
GC Column:	DB-VRX II	D: <u>0.18</u>	(mm)	Не	ated Purge: (Y/N)	N

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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.						
LCS	605296	5.73	485757	8.74	244433	10.80
VBLK	608870	5.73	501668	8.74	233714	10.81
TRIP BLANK	598119	5.73	503733	8.74	242645	10.81
EFFLUENT	605223	5.73	498177	8.74	228929	10.81
INFLUENT	603136	5.73	476009	8.74	226552	10.81
INFLUENTMS	604759	5.73	491691	8.74	252568	10.81
INFLUENTMSD	610568	5.73	497567	8.74	255808	10.80
INFLUENTDL	605959	5.73	499894	8.74	241772	10.81
DUPE	600333	5.73	489204	8.74	234242	10.81
COOLER BLK	604469	5.73	496406	8.74	232988	10.80
	UPPER LIMIT LOWER LIMIT EPA SAMPLE NO. LCS VBLK TRIP BLANK EFFLUENT INFLUENT INFLUENTMS INFLUENTMSD INFLUENTDL DUPE	12 HOUR STD 578770 UPPER LIMIT 1157540 LOWER LIMIT 289385 EPA SAMPLE NO. LCS 605296 VBLK 608870 TRIP BLANK 598119 EFFLUENT 605223 INFLUENT 603136 INFLUENTMS 604759 INFLUENTMSD 610568 INFLUENTDL 605959 DUPE 600333	12 HOUR STD 578770 5.73 UPPER LIMIT 1157540 6.23 LOWER LIMIT 289385 5.23 EPA SAMPLE NO. LCS 605296 5.73 VBLK 608870 5.73 TRIP BLANK 598119 5.73 EFFLUENT 605223 5.73 INFLUENT 603136 5.73 INFLUENTMS 604759 5.73 INFLUENTMSD 610568 5.73 INFLUENTDL 605959 5.73 DUPE 600333 5.73	12 HOUR STD 578770 5.73 471240 UPPER LIMIT 1157540 6.23 942480 LOWER LIMIT 289385 5.23 235620 EPA SAMPLE NO. LCS 605296 5.73 485757 VBLK 608870 5.73 501668 TRIP BLANK 598119 5.73 503733 EFFLUENT 605223 5.73 498177 INFLUENT 603136 5.73 476009 INFLUENTMS 604759 5.73 491691 INFLUENTMSD 610568 5.73 497567 INFLUENTDL 605959 5.73 49894 DUPE 600333 5.73 489204	12 HOUR STD 578770 5.73 471240 8.74 UPPER LIMIT 1157540 6.23 942480 9.24 LOWER LIMIT 289385 5.23 235620 8.24 EPA SAMPLE NO. LCS 605296 5.73 485757 8.74 VBLK 608870 5.73 501668 8.74 TRIP BLANK 598119 5.73 503733 8.74 EFFLUENT 605223 5.73 498177 8.74 INFLUENT 603136 5.73 476009 8.74 INFLUENTMS 604759 5.73 491691 8.74 INFLUENTMSD 610568 5.73 497567 8.74 INFLUENTDL 605959 5.73 499894 8.74 DUPE 600333 5.73 489204 8.74	12 HOUR STD 578770 5.73 471240 8.74 235125 UPPER LIMIT 1157540 6.23 942480 9.24 470250 LOWER LIMIT 289385 5.23 235620 8.24 117563 EPA SAMPLE NO. LCS 605296 5.73 485757 8.74 244433 VBLK 608870 5.73 501668 8.74 233714 TRIP BLANK 598119 5.73 503733 8.74 242645 EFFLUENT 605223 5.73 498177 8.74 228929 INFLUENT 603136 5.73 476009 8.74 226552 INFLUENTMS 604759 5.73 491691 8.74 252568 INFLUENTMSD 610568 5.73 497567 8.74 255808 INFLUENTDL 605959 5.73 499894 8.74 241772 DUPE 600333 5.73 489204 8.74 234242

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.

OLC 2.1

^{*} Values outside of contract required QC limits

Proj #____ File Code:



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 3% 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.

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:

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SDG#:INFLUENT BATCH COMPLETE: __yes_ DATE REVISED: DISKETTE REQUESTED: Y_X__ N___ SUBMISSION R2845271 **DATE DUE: 8/29/08** CLIENT: Shaw Environmental DATE: 8/19/08 PROTOCC CLP CLIENT REP: Carlton Beechler **CUSTODY SEAL: PRESENT/ABSENT:** SHIPPING No.: PROJECT: GE MRFA PROJECT #129926 CHAIN OF CUSTODY: PRESENT/ABSENT: CAS JOB # | CLIENT/EPA ID MATRIX REQUESTED PARAMETERS DATE DATE Ha % REMARKS SAMPLED RECEIVED (SOLIDS) SOLIDS AMPLE CONDITION 1124913QC INFLUENT WATER OLC2.1VOA 8/6/2008 8/8/2008 1124915 WATER OLC2.1VOA DUPE 8/6/2008 8/8/2008 1124916 EFFLUENT OLC2.1VOA WATER 8/6/2008 8/8/2008 1124917 TRIP BLANK WATER OLC2.1VOA 8/6/2008 8/8/2008 COOLER BLANK OLC2.1VOA 1124918 WATER 8/6/2008 8/8/2008







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 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

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CHAINS OF CUSTODY INTERNAL CHAINS



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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR	#			
1			-	
CAS	S Contact			

SCOC-1102-08

n Employee - Owned Company One Mustare	d St., Suite 250 • Rochester, N'	Y 14609-085	59 • (585) 2	88-5380 • 8	00-695	-7222	x11 • F	FAX (58	5) 288-	8475	PAG	ìΕ_		0	F _			CAS	Conta	act			-
Project Name GE MRFA	Project Number	19926	•					А	NALYS	SIS RE	QUEST	TED (li	nclude	Metho	od Nu	mber	and C	ontain	er Pre	servativ	re)		*
Project Manager Brian Neymann Company/Address		uer, U		larry	PRE	SERV	ATIVE	1													/ O. N	ervative K	ey
	American B				NUMBER OF CONTAINERS		*	9 8270 38048 CLP 94C	(60)		OCLP	4L Vis belg	SOLVED nts below		/	//	//,	//,	//	//	5. 2 6. N 7. N	INO3 I2SO4 IaOH In. Acetate IeOH IaHSO4	;
518 - 783 - 1996 Sampler's Signature	Sampler's Printed Name Marco FOR OFFICE USE ONLY	Flanac	gan		NUMBER C		86 VOA's Me Dees	800 02 100 07 100 07	S7101601	10 10 10 10 10 10 10 10 10 10 10 10 10 1	74LS. 75	TALS, PIE									_	Other	_
CLIENT SAMPLE ID	LAB ID	SAMP DATE		MATRIX		/ છે.	$\mathcal{S}_{i}^{p}\mathcal{S}_{i}^{p}$			200	N S	Lis A	?/							ALT	REMAR FERNATE DE	RKS/ ESCRIPTIO	N
Influent		8/6/08	900	GW	3	X	ļ	4															
Influent (MS)			905		↓ ↓																		
Influent (MSD)		\rightarrow	905			ـــــــــــــــــــــــــــــــــــــ																	
Dupe)	+		$\perp \downarrow$			_															
Effluent	•	*	910	V	1	1																	
Trip Blank	·	~	-																				
SPECIAL INSTRUCTIONS/COMMENTS Metals								URNAR RUSI			REMEN S APPLY)			REPO I. Result		QUIRE	MENT	S		INVC	DICE INFOR	RMATION	
* GAP OLC 2.	1 YOAs plus	hexad	chlore	buta	die	ne,		_ 24 hr		18 hr .	5 (day	X	II. Resul (LCS, D	its + QC	Summa	aries	4)	PO#		<u></u>		
1,2,3-+	richloro benzen	e. tri	chlore	Fluo	<i>o</i> o ≥	. ,	REQU	STAN		ΓE			1	III. Resu					BILL	TO:			
		,		met	han	e				_				Summar					ļ				
							REQU	UESTED	REPORT	DATE				IV. Data V. Speica					-				
See QAPP									***************************************				_	•			1		SUB	MISSION #	t:		
SAMPLE RECEIPT: CONDITION/COOL RELINQUISHED BY	_ER TEMP:	Т		TODY SEA		N			DECE	IVED B	<i>-</i>								_		DEOEIVED	- DV	
	- f - m - f			III QOISI IED					NECE	IVED B	•			ri.	ELINQ	UISHED	וטע				RECEIVED	RA	
Signature S	Ulley M. Cools		nature				Signa	ture					Signati	ıre					Signa	ture			
Printed Name P Marc Flanagan	rinted Name		nted Name				Printe	d Name					Printed	Name					Printe	ed Name			
Firm Shaw	irm (A)	Firn					Firm						Firm						Firm				
Date/Time, 8/6/08 1500	Paleting OS 100	Dat	te/Time				Date/	Time					Date/T	me	•••				Date/	Time			

Cooler Receipt And Preservation Check Form

roject/Clie	ent_ <i>S</i> A	an		(A)	Subm	ission Numb	er <u>R</u> a-	45271	•	
ooler rece	ived on 8	BC	18_	by: LMC	OURIE	R: CAS (JPS F	EDEX VE		Y CLIENT
. We Did	re custody I all bottles I any VOA ere Ice of I	pape arri vial ce pa	ers p ve in s had acks tles	outside of cooler roperly filled out a good condition we significant* ai present? All priginate? (s) upon receipt:	(unbroke ir bubble MELT	s? \(\int \)		CAS/ROC,	O O O CLIEN	
Ist	the temper	ature	witl	nin 0° - 6° C?:	Yes	Yes	``	/es >	?es	Yes
	No, Expla				No	No	1	10 1	10	No
D.		emn	era t ii	res Taken: 🚫	8018	104C)			
Da	ate/11me 1	emp	1.41	/ IR GUN#2 /	IR GII	N#3 Read	ing Fror	n: (Temp B)	ank /	Sample Bottle
Tł	nermomete	r ID:	16.	packing/ice cor	1000	1110				
Cooler Bi 1. W 2. D 3. W	reakdown: Vere all bot id all bottl Vere correct ir Samples	Datale laborate constant de la laborate la	te:_ bels els a taine casse	complete (i.e. and tags agree with the stage of the test of the stage	alysis, p h custod ests indic et Ca	ry papers?	etc.)?	(YES)	NO NO NO Bags Inf	lat ed N/A
				Lot Received	Exp	Sample ID	Vol.	Lot Added	Fin al	Yes = All samples OK
pH	Reagent	YES	NO		-		Added,		P	samples OK
≥12 ≤2	NaOH HNO₃				 					No =
<u>≤2</u> ≤2	H ₂ SO ₄								<u> </u>	Samples were
Residual	For TCN			If present, contact	PM to					preserved at
Chlorine	and			add ascorbic acid						lab as listed
(-)	Phenol Na ₂ S ₂ O ₃		-		1	*Not to be to	sted befo	re analysis – p	H Chem	PM OK to
	Zn Aceta	-	-		\ _,	tested and re on a separate	corded by workshe	y VOAs or Ger	iicii ciii	Adjust:
	HCl	*	*	ESOAIL	07/09] on a separate				
		2-11/	-6K							
Bottle lot Other Cor	numbers:	0 116	2 00					•		

*significant air bubbles are greater than 5-6 mm

H: SMODOCS Cooler Receipt 2 doc

					maganingan ingganasingan ya ya ya maganggi nagana kulun manasin
Chain of	Custody				
Submission:	R2845271	Client: Shaw Env	ironmental		
Lab ID:	1124913	<i>Matrix</i> WATER			
Received into CA	AS-Rochester Cust	ody: 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	
08/14/08 16:53	dlipani	GC/MS Volatiles	Cooler 1	Analysis	
08/14/08 20:25	dlipani	GC/MS Volatiles	Cooler 1 - S11	Storage	
Lab ID:	1124915	<i>Matrix</i> WATER			
Received into CA	AS-Rochester Cust	ody: 8/8/08			
Container:	11249151	ogogogogogogogogogogogogogogogogogogog	appendieren in terresia en 1860 de meneren in des 1900 de meneren in de des en desenviron de des en desenviron	enterfale i i i i i i i i i i i i i i i i i i i	maginganinggan ing concept and parties and an arrange and an arrange and an arrange and an arrange and a section and an arrange and arrange and arrange and arrange and arrange and arrange and arrange arrang
Date of Custody	User	Dept	Storage Location	Purpose	Empty
08/08/08 14:22	gesmeria	Sample Management	Cooler 1	Storage	
08/14/08 16:53	dlipani	GC/MS Volatiles	Cooler 1	Analysis	
08/14/08 20:25	dlipani	GC/MS Volatiles	Cooler 1 - S11	Storage	
Lab ID:	1124916	Matrix WATER			
Received into CA	AS-Rochester Cust	ody: 8/8/08		SACTOR MILES STREET	TRIOCINI de LUCINI PROPADA A COLO SI POR CONTRA
Container:	11249161	To the second of	and the same of th		од гранскиот и дрегорион д.С. Туг в.С.
Date of Custody	User	Dept	Storage Location	Purpose	Empty
08/08/08 14:22	gesmeria	Sample Management	Cooler 1	Storage	

Container:	11249161				
Date of Custody	User	Dept	Storage Location	Purpose	Empty
08/08/08 14:22	gesmeria	Sample Management	Cooler 1	Storage	
08/14/08 16:53	dlipani	GC/MS Volatiles	Cooler 1	Analysis	
08/14/08 20:25	dlipani	GC/MS Volatiles	Cooler 1 - S11	Storage	

Lab ID: 1124917 Matrix WATER

dlipani

Received into CAS-Rochester Custody: 8/8/08 11249171 Container: Date of Custody User Dept Storage Location Purpose **Empty** 08/08/08 14:22 Sample Management Cooler 1 gesmeria Storage 08/14/08 16:53 GC/MS Volatiles Cooler 1 dlipani Analysis

Cooler 1 - S11

Storage

GC/MS Volatiles

08/14/08 20:25

Chain of Custody Shaw Environmental Submission: R2845271 Client: 1124918 WATER Lab ID: Matrix 8/8/08 Received into CAS-Rochester Custody: 11249181 Container: Date of Custody User Dept Storage Location Purpose **Empty** 08/08/08 14:22 Sample Management Cooler 1 gesmeria Storage

Cooler 1

Cooler 1 - S11

Analysis

Storage

GC/MS Volatiles

GC/MS Volatiles

08/14/08 16:53

08/14/08 20:25

dlipani

dlipani

VOLATILE ORGANICS QC SUMMARY

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:CAS/ROCHContract:IT LathamLab Code:10145Case No.:R8-45271SAS No.:SDG No.:Influent

	EPA	SMC1	TOT
	SAMPLE NO.	#	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

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

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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:

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 INFLUENT

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/ L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC L	IMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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)

Ν

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 ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

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

		% RELATIVE		
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE		
50	8.0 - 40.0% of mass 95			
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	76 93.0 - 101.0% of mass 174 101.			
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	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

Multiplr: 1.00

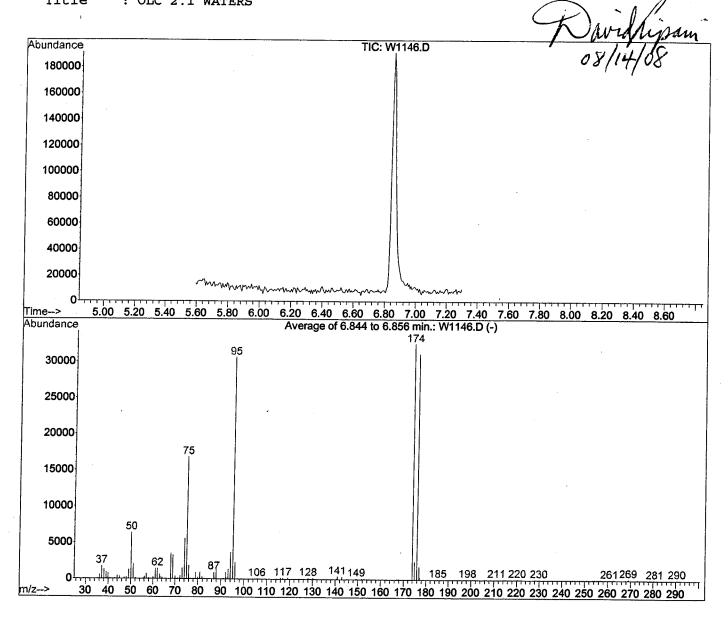
Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1146.D

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 MS Integration Params: CPD4.P

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

Title : OLC 2.1 WATERS



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
- 1	174	95	50	120	106.4	32592	PASS
- 1	175	174	4	9	7.5	2451	PASS
	176	174	93	101	95.6	31155	PASS
	177	176	5	9	5.7	1763	PASS

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 Heated Purge: (Y/N) (mm) 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

(OLC 2.1)

MDL Study Report

Analytical Method: Extraction Method: CLP-VOA EPA 5030

Matrix: Instrument: WATER

MS#6

Run Date: 06/18/08

MDL Study ID:

MDL279

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	110/I		_	
1,1,2,2-Tetrachloroethane	0.500	0.464	0.0479	3.143	0.081	ug/L	5	94	Valid MDL Data
1,1,2-Trichloroethane	0.500	0.471	0.0385	3.143	0.13	ug/L	10	93	Valid MDL Data
1,1-Dichloroethane	0.500	0.503	0.0377	3.143	0.12	ug/L	8	94	Valid MDL Data
1,1-Dichloroethene	0.500	0.510	0.0365	3.143	0.12	ug/L	8	101	Valid MDL Data
1,2,3-Trichlorobenzene	0.500	0.420	0.0191	3.143	0.060	ug/L	7	102	Valid MDL Data
1,2,4-Trichlorobenzene	0.500	0.436	0.0151	3.143	0.000	ug/L	5	84	Valid MDL Data
1.2-Dibromo-3-chloropropane (DBCP	0.500	0.534	0.0793	3.143	0.048	ug/L	3	87	Spike level too high (Spike>10*MDL)
1,2-Dibromoethane (EDB)	0.500	0.467	0.0427	3.143	0.23	ug/L	15	107	Valid MDL Data
1,2-Dichlorobenzene	0.500	0.480	0.0252	3.143	0.13	ug/L	.9	93	Valid MDL Data
1,2-Dichloroethane (EDC)	0.500	0.517	0.0547	3.143	0.079	ug/L	5	96	Valid MDL Data
1,2-Dichloropropane	0.500	0.473	0.0330	3.143	0.17	ug/L ug/L	11	103	Valid MDL Data
1,3-Dichlorobenzene	0.500	0.469	0.0195	3.143	0.16	ug/L ug/L	7	95	Valid MDL Data
1,4-Dichlorobenzene	0.500	0.497	0.0236	3.143	0.001	_	4	94	Valid MDL Data
2-Butanone (MEK)	5.00	4.43	0.450	3.143	1.4	ug/L	5 10	99	Valid MDL Data
2-Hexanone	5.00	3.28	0.366	3.143	1.1	ug/L		89	Valid MDL Data
4-Methyl-2-pentanone (MIBK)	5.00	3.66	0.167	3.143	0.53	ug/L ug/L	11	66 73	Valid MDL Data
Acetone	5.00	5.97	0.309	3.143	0.55		5	73	Valid MDL Data
Benzene	0.500	0.450	0.0183	3.143	0.057	ug/L ug/L	5	119	Valid MDL Data
Bromochloromethane	0.500	0.496	0.0321	3.143	0.037	ug/L ug/L	4	90	Valid MDL Data
Bromodichloromethane	0.500	0.483	0.0160	3.143	0.050	ug/L ug/L	6 .	99	Valid MDL Data
Bromoform	0.500	0.460	0.0265	3.143	0.030		3	97	Valid MDL Data
Bromomethane	0.500	0.523	0.132	3.143	0.083	ug/L ug/L	6 25	92	Valid MDL Data
Carbon Disulfide	1.00	0.967	0.0637	3.143	0.42	ug/L ug/L	23 7	105	Valid MDL Data
Carbon Tetrachloride	0.500	0.477	0.0229	3.143	0.20	ug/L ug/L	5	97 05	Valid MDL Data
Chlorobenzene	0.500	0.481	0.0273	3.143	0.072	ug/L ug/L	6	95 96	Valid MDL Data
Chloroethane	0.500	0.561	0.0297	3.143	0.080	_	5		Valid MDL Data
Chloroform	0.500	0.509	0.0367	3.143	0.093	ug/L		112	Valid MDL Data
Chloromethane	0.500	0.559	0.0426	3.143	0.12	ug/L	7	102	Valid MDL Data
cis-1,2-Dichloroethene	0.500	0.337	0.0320	3.143	0.13	ug/L	8	112	Valid MDL Data
cis-1,3-Dichloropropene	0.500	0.407	0.0219	3.143		ug/L	7	93	Valid MDL Data
cio 1,5 Diemoropropene	0.500	0.417	0.0219	3.143	0.069	ug/L	5	84	Valid MDL Data

Supervisor	Approval:
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QA/QC Approval:

MDL Study Report

Analytical Method:

CLP-VOA

Extraction Method:

EPA 5030

Matrix: Instrument:

WATER MS#6

Column:

MS

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

Supervisor Approval:

QA/QC Approval:

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MDL Study ID:

MDL279

MDL Study Report

Analytical Method:

CLP-VOA

MDL Study ID:

MDL279

Extraction Method:

EPA 5030

Matrix:

WATER

Instrument:

MS#6

Column:

MS

File ID	Data File	Data Path	AcqDate	File ID	Data File	Data Path	A og Doda
A B C	W0136.D W0138.D	J:\ACQUDATA\MSVOA6\DATA\06180 J:\ACQUDATA\MSVOA6\DATA\06180 J:\ACQUDATA\MSVOA6\DATA\06180 J:\ACQUDATA\MSVOA6\DATA\06180	06/18/2008 19:16 06/18/2008 20:28	F	W0155.D	J:\ACQUDATA\MSVOA6\DATA\06180 J:\ACQUDATA\MSVOA6\DATA\06180 J:\ACQUDATA\MSVOA6\DATA\06180	06/19/2008 06:33

Analyta Nama				MDL 2		MDL 3		MDL 4		MDL 5		MDL 6		MDL 7		MDL 8	
Analyte Name	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value	File	Value	
1.1.1-Trichloroethane (TCA)	Α	0.500	В	0.460	С	0.440	.D	0.500	G	0.490	E	0.450			1 110	value	
1,1,2,2-Tetrachloroethane	Α	0.480	В	0.480	C	0.450	D	0.500	G	0.490		0.450	F	0.450			
1,1,2-Trichloroethane	Α	0.470	В	0.540	C	0.480	D	0.460	G	0.330	E	0.420	F	0.390			
1,1-Dichloroethane	Α	0.530	В	0.550	Ċ	0.460	D	0.500	G		E	0.410	F	0.460			
1,1-Dichloroethene	Α	0.550	В	0.500	Č	0.480	D	0.560		0.540	E	0.480	F	0.460			
1,2,3-Trichlorobenzene	Α	0.440	В	0.450	Č	0.410	D	0.400	G	0.530	E	0.480	F	0.470			
1,2,4-Trichlorobenzene	Α	0.450	В	0.440	Č	0.410	D	0.440	G	0.420	E	0.400	F	0.420			
1.2-Dibromo-3-chloropropane (DBCP	Α	0.500	В	0.470	č	0.420	D	0.440	G	0.450	E	0.410	F	0.440			
1,2-Dibromoethane (EDB)	Α	0.460	В	0.490	Č	0.440	D	0.430	G	0.530	E	0.460	F	0.630			
1,2-Dichlorobenzene	Α	0.520	В	0.450	C ·	0.480	D	0.430	G	0.550	E	0.470	F	0.430			
1,2-Dichloroethane (EDC)	Α	0.570	В	0.530	C	0.430	D		G	0.490	E	0.460	F	0.460			
1,2-Dichloropropane	A	0.510	В	0.470	C	0.430	D	0.540	G	0.580	E	0.450	F	0.440			
1,3-Dichlorobenzene	A	0.490	В	0.470	C	0.480		0.520 0.480	G	0.470	E	0.470	F	0.440			
1,4-Dichlorobenzene	Α	0.520	В	0.520	C	0.500	D		G	0.470	E.	0.460	F	0.430			
2-Butanone (MEK)	A	4.66	В	4.86	C	4.32	D	0.500	G	0.510	E	0.470	F	0.460			
2-Hexanone	A	3.06	В	3.96	C		D	5.09	G	4.19	Е	3.99	F	3.90			
4-Methyl-2-pentanone (MIBK)	A	3.35	В	3.89		3.08	D	3.26	G	3.57	Ė	3.16	F	2.89			
Acetone	A	5.54	В	6.51	C	3.71	D	3.76	G	3.70	E	3.61	F	3.61			
Benzene	A	0.460	В	0.450	C	6.07	D	5.99	G	6.12	E	5.82	F	5.77			
Bromochloromethane	A	0.550			C	0.430	D	0.460	G	0.470	E	0.460	F	0.420			
Bromodichloromethane	_	0.330	В	0.470	C	0.520	D	0.470	G	0.500	E	0.500	F	0.460			
Bromoform	A A	0.490	В	0.490	C	0.460	D	0.500	G	0.490	E	0.490	F	0.460			
Bromomethane			В	0.450	C	0.440	D	0.480	G	0.480	E	0.430	F	0.440			
Carbon Disulfide	A	0.600	В	0.580	C	0.620	D	0.570	. G	0.620	E	0.380	F	0.290			
"Caroon Disurrice	Α	0.890	В	0.980	C	1.02	D	1.02	G	1.04	E	0.890	F	0.930			

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QA/QC Approval:

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MDL Study Report

Analytical Method:

CLP-VOA

Extraction Method: Matrix:

EPA 5030 WATER

Instrument:

MS#6

Column:

MS

MDL Study ID: MDL279

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

Supervisor Approval:

QA/QC Approval:

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VOLATILE ORGANICS SAMPLE DATA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name:	CAS/RC	CH		Contract:	IT Latham		
Lab Code:	10145		Case No.: R8-45271	SAS No	o.: S	DG No.: Influent	
Matrix: (soil/w	vater)	WATE	R	Lai	b Sample ID:	1124913 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	b File ID:	W1160.D	
Level: (low/m	ned)	LOW	· 	Da	te Received:	8/8/08	
% Moisture: r	not dec.			Da	te Analyzed:	8/14/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (mm)	Dil	ution Factor:	1.0	
Soil Extract V	olume:		(uL)	So	il Aliquot Volu	ıme:	(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	J
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	ט
75-15-0	Carbon Disulfide	1	J
75-09-2	Methylene Chloride	1	Ü
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	כ
74-97-5	Bromochloromethane	1	J
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	1	Ü
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	Ü
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	Ū
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	Ū
75-25-2	Bromoform	0.6	J
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name:	CAS/RC	CH			Contract:	IT Latham		
Lab Code:	10145	C	ase No.:	R8-45271	SAS No	.: 8	SDG No.: Influent	t
Matrix: (soil/v	vater)	WATER			Lat	Sample ID:	1124913 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:	W1160.D	
Level: (low/n	ned)	LOW			Da	te Received:	8/8/08	
% Moisture: ı	not dec.				Da	te Analyzed:	8/14/08	
GC Column:	DB-VR	X ID: 0	<u>.18</u> (n	nm)	Dilt	ution Factor:	1.0	-
Soil Extract Volume:		ume: (uL)		Soil Aliquot Volu		ume:	(uL	
		•		001		IONI I INITO		

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.

Lab Name:	CAS/RC	OCH			Contract:	IT Latha	am	INF	LUENI	
Lab Code:	10145	Ca	se No.:	R8-45271	SAS No).:	SE	OG No.:	Influent	
Matrix: (soil/v	water)	WATER			La	b Sample	D:	1124913	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:		W1160.D)	
Level: (low/n	ned)	LOW	_		Da	te Recei	ved:	8/8/08		
% Moisture:	not dec.				Da	te Analyz	zed:	8/14/08		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	18 (m	ım)	Dil	ution Fac	tor:	1.0		
Soil Extract V	/olume:		_ (uL)		So	il Aliquot	Volun	ne:		(uL)
				COI	NCENTRAT	ION UN	ITS:			
Number TICs	s found:	0		(ug/	L or ug/Kg)	UG	/L			
CAS NO.		COMPOL	JND NAI	ΛE		RT	ES	T. CONC	; . (Q

(NOC KENTEMER)

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 20) d5-Chlorobenzene 42) d4-Dichlorobenzene	5.73 114 8.74 117 10.81 152	603136 5.00 ug/L 0.00 476009 5.00 ug/L 0.00 226552 5.00 ug/L 0.00
System Monitoring Compounds 19) SURR2,BFB Spiked Amount 5.000	9.77 174	211788 4.85 ug/L 0.00 Recovery = 97.00%
Target Compounds		Qvalue
8) Acetone	1.95 43	2014 0.45 ug/L 73 LT-40154
17) Chloroform	3.76 83	385725 5.07 ug/L 95
22) Carbontetrachloride	5.29 117	2204360 37.98 ug/L 98 🗐
24) Trichloroethene	/6.10\ 95	2165262 55.96 ug/L 99 🗐
-26) Bromodichloromethane	 \ 6.09 / -83 -	
34) Dibromochloromethane	7.80 129	3558 0.17 ug/L 96 J
43) Bromoform	9.14 173	6418 0.56 ug/L # 84 🕽

8/28/08

rpt 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

: 14 Aug 2008 10:47 pm

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

: 1124913 1.0 Misc : IT-Latham R8-43894 OLC2.1LL MS Integration Params: CPD4.P

Sample

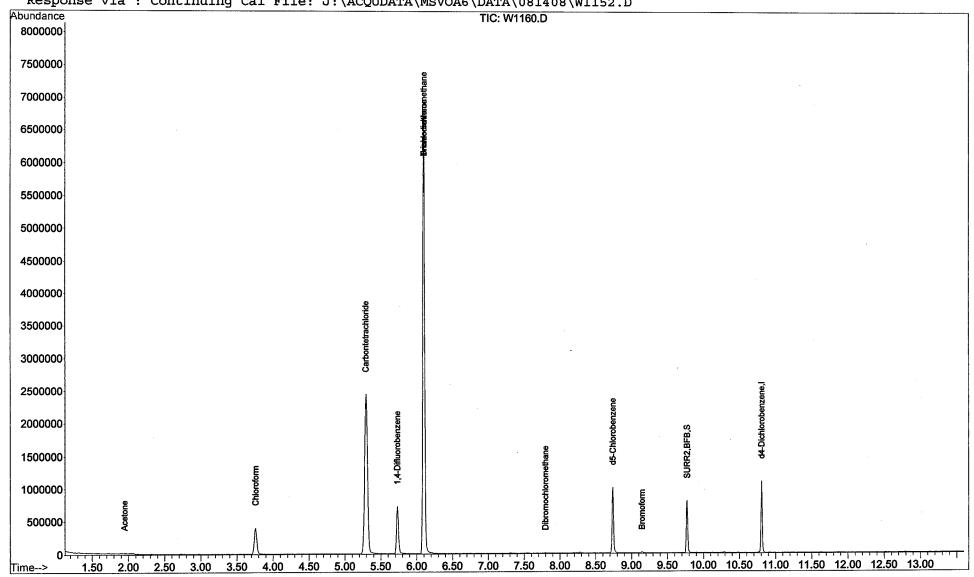
Quant Time: Aug 18 9:15 2008 Quant Results File: OLC0814.RES

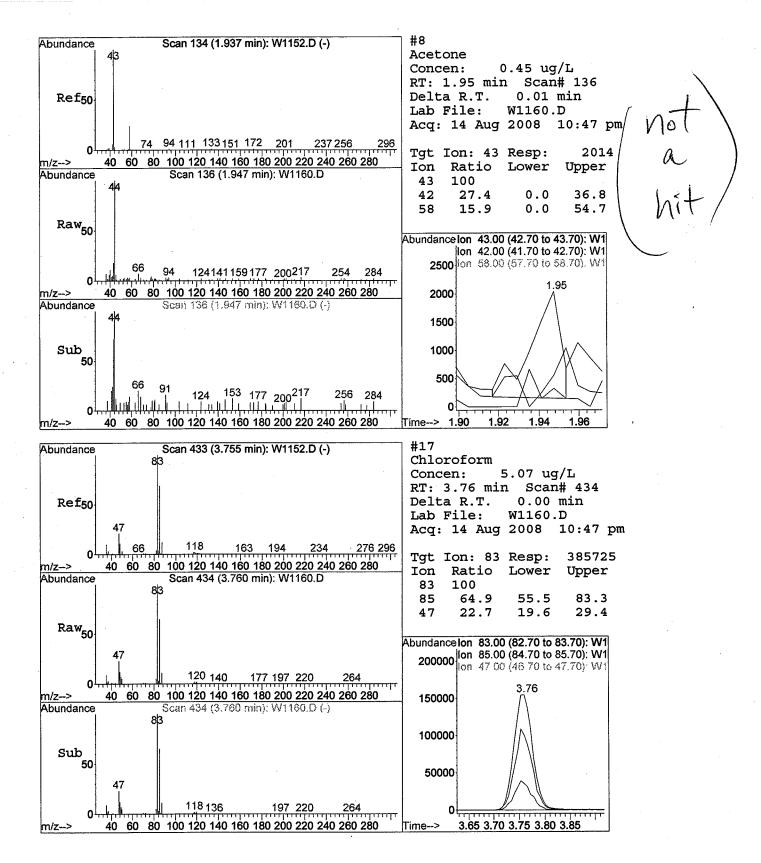
: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator) Method

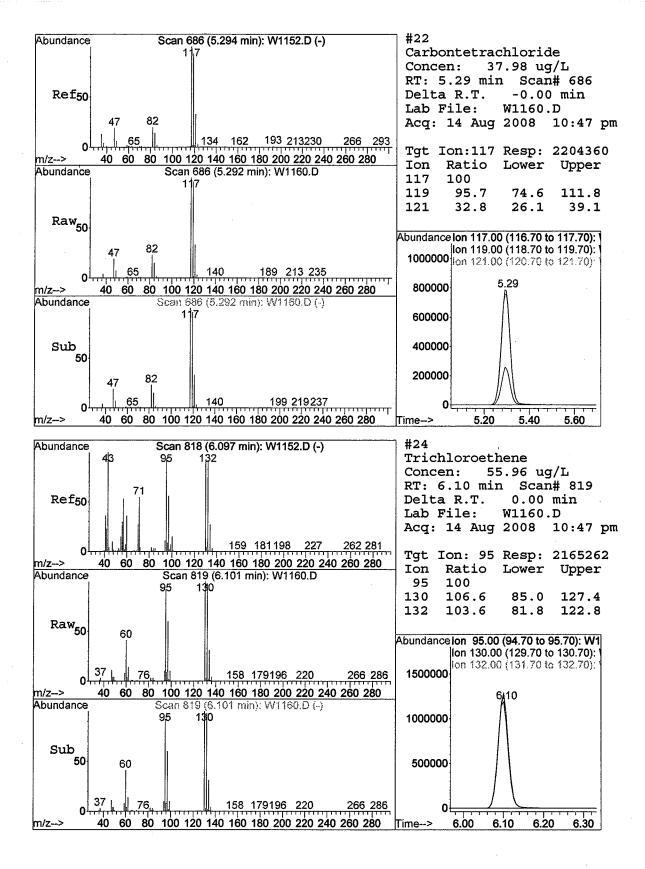
Title : OLC 2.1 WATERS

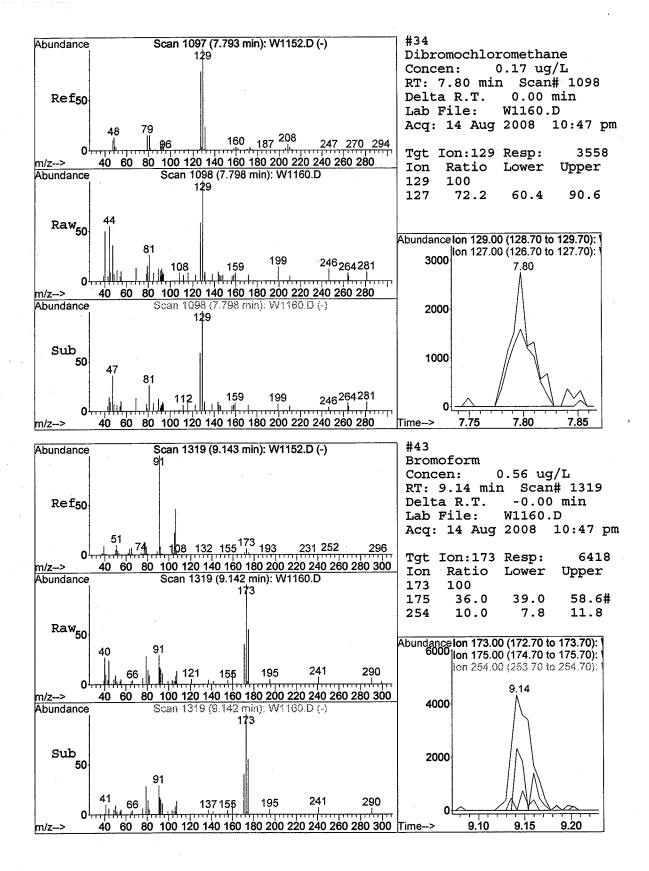
Last Update : Mon Aug 18 09:06:03 2008

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









LSC Area Percent Report

Multiplr: 1.00

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1160.D

Vial: 23 Acq On : 14 Aug 2008 10:47 pm Sample : 1124913 1.0 Misc : IT-Latham R8-43894 OLC2.1LL Operator: LIPANI Inst : MS#6

MS Integration Params: LSCINT.P

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

Title : OLC 2.1 WATERS

Smoothing : OFF Filtering: 5

Sampling : 1 Min Area: 1 % of largest Peak

Max Peaks: 100 Start Thrs: 0.2 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.	first	max	last	PK	peak	corr.	corr.	% of
#	min	scan	scan	scan	TY	height	area	% max.	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			1430		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 File : J:\ACQUDATA\MSVOA6\DATA\081408\W1160.D

Operator : LIPANI

Acquired : 14 Aug 2008 10:47 pm using AcqMethod OLC0814

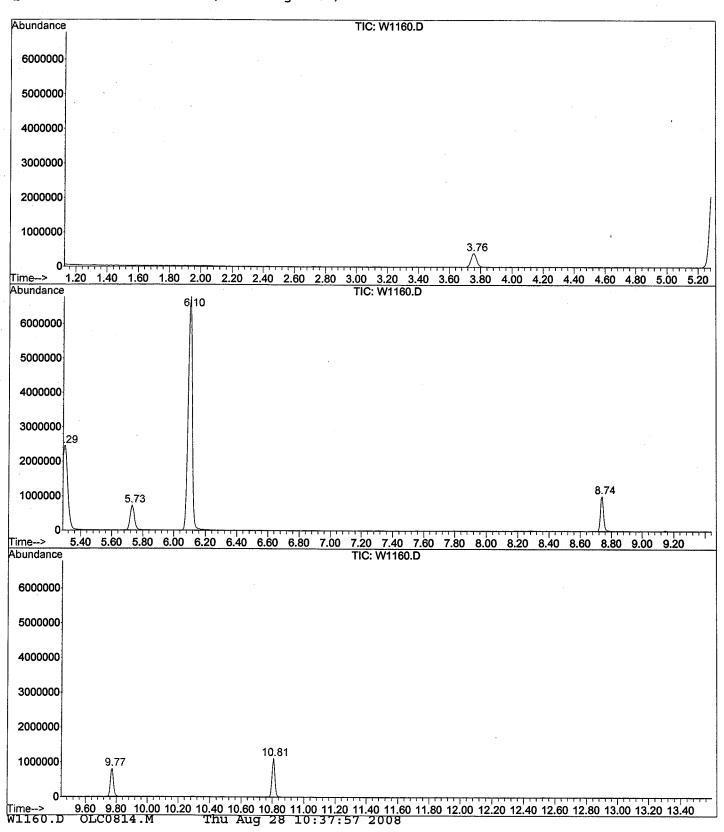
Instrument : MS#6

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

EPA SAMPLE NO.

INFLUENTDL

Lab Name: C	AS/RO	CH		Contract:	IT Latham		
Lab Code: 10	0145	Ca	ase No.: R8-45271	SAS No.	.: s	DG No.: Influent	
Matrix: (soil/wat	er)	WATER		Lat	Sample ID:	1124913 2.5	
Sample wt/vol:	·-	25.0	(g/ml) ML	Lab	File ID:	W1164.D	
Level: (low/med	d)	LOW		Dat	e Received:	8/8/08	
% Moisture: not	dec.			Dat	te Analyzed:	8/15/08	
GC Column:	DB-VR	X ID: 0	18 (mm)	Dilu	ution Factor:	2.5	
Soil Extract Volu	ume: _		(uL)	Soi	l Aliquot Volu	ıme:	(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	Trichlorofluorometh	ane		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-Dichloroe	thene		2	U
75-34-3	1,1-Dichloroethane			2	U
156-59-2	cis-1,2-Dichloroethe	ene		2	U
78-93-3	2-Butanone			12	U
74-97-5	Bromochlorometha	ne		2	U
67-66-3	Chloroform			5	D
107-06-2	1,2-Dichloroethane			2	U
71-55-6	1,1,1-Trichloroethai	ne		2	U
56-23-5		Carbon Tetrachloride			
71-43-2	Benzene				
79-01-6	Trichloroethene				
78-87-5	1,2-Dichloropropand	1,2-Dichloropropane			
75-27-4	Bromodichlorometh			2	U
10061-01-5	cis-1,3-Dichloroprop			2	U
108-10-1	4-Methyl-2-Pentano	ne		12	U
108-88-3	Toluene			2	U
10061-02-6	trans-1,3-Dichlorop	ropene		2	U
79-00-5	1,1,2-Trichloroethar			2	U
127-18-4	Tetrachloroethene			2	U
591-78-6	2-Hexanone			12	U
124-48-1	Dibromochlorometh	ane		2	U
106-93-4	1,2-Dibromoethane			2	Ū
108-90-7	Chlorobenzene			2	Ū
100-41-4	Ethylbenzene			2	Ū
1330-20-7	(m+p) Xylene			2	Ū
1330-20-7	o-Xylene			2	Ū
100-42-5	Styrene			2	Ü
79-34-5	1,1,2,2-Tetrachloroe	ethane		2	U
75-25-2	Bromoform			0.3	JD
541-73-1	1,3-Dichlorobenzen			2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Name:	CAS/RC	JCH		Contrac	t: II Latnar	<u>n</u>			
Lab Code:	10145	Ca	se No.: <u>R8-</u>	45271 SAS I	No.:	SD	G No.: Ir	nfluent	
Matrix: (soil/v	water)	WATER	_	L	_ab Sample l	ID: 1	124913 2	2.5	
Sample wt/vo	ol:	25.0	(g/ml) ML	<u> </u>	_ab File ID:	<u>\</u>	W1164.D		
Level: (low/n	ned)	LOW	_	[Date Receive	ed: _8	3/8/08		
% Moisture: ı	not dec.			[Date Analyze	ed: <u>8</u>	3/15/08		
GC Column:	DB-VF	<u> </u>	18_ (mm)	[Dilution Facto	or: 2	2.5		
Soil Extract V	/olume:		(uL)	5	Soil Aliquot V	olum/	ie:		(uL)
				CONCENTR	ATION UNIT	S:			
CAS NO).	COMP	OUND	(ua/L or ua/K	(a) UG/L	_		Q	

OAO NO.	COMI COME (agree or agring)		G.
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: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: CAS NO. **COMPOUND NAME** RT EST. CONC. Q

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

: 15 Aug 2008 1:09 am Acq On

Sample : 1124913 2.5

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

Quant Time: Aug 18 9:15 2008

MS Integration Params: CPD4.P

Vial: 27 Operator: LIPANI

: MS#6 Inst Multiplr: 1.00

Quant Results File: OLC0814.RES

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

: 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			Recove	ry = 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 P
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 J



^{(#) =} qualifier out of range (m) = manual integration Mon Aug 18 09:15:20 2008 W1164.D OLC0814.M

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

Misc

Inst : MS#6 Multiplr: 1.00

: IT-Latham R8-43894 OLC2.1LL MS Integration Params: CPD4.P

Quant Time: Aug 18 9:15 2008

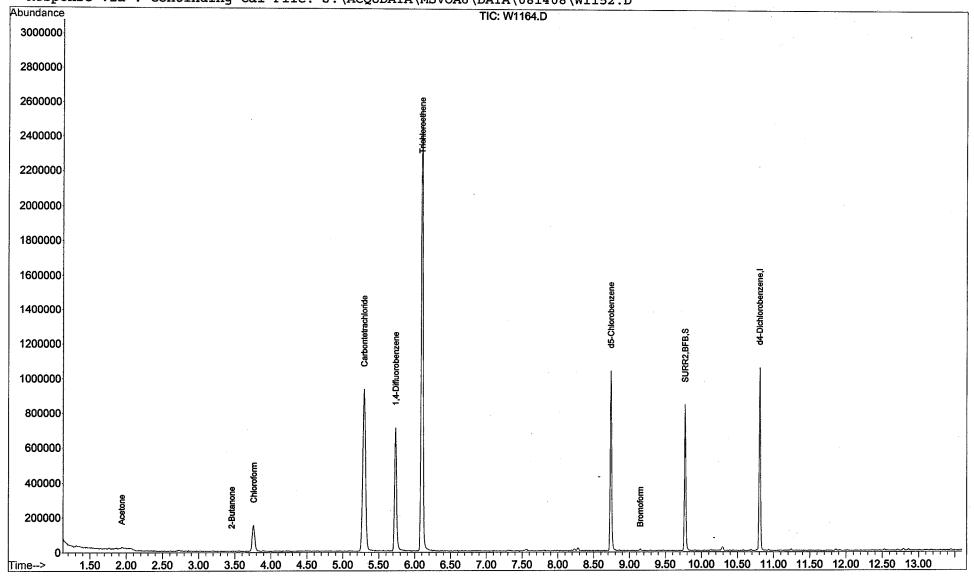
Quant Results File: OLC0814.RES

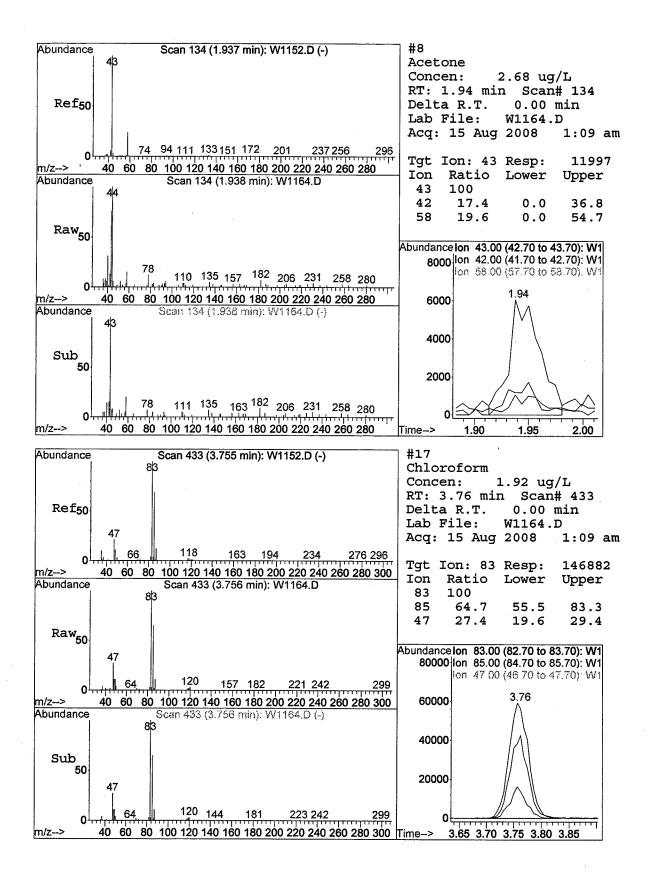
: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator) Method

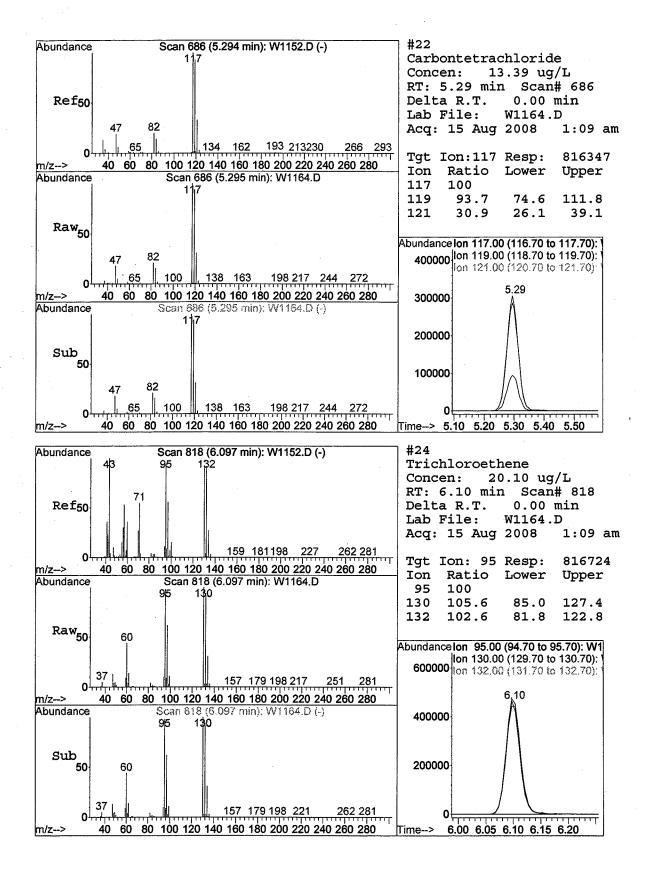
Title : OLC 2.1 WATERS

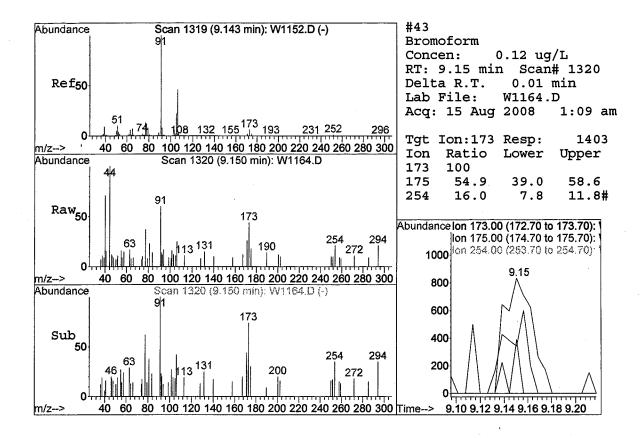
Last Update : Mon Aug 18 09:06:03 2008

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









LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1164.D Vial: 27

1:09 am Acq On : 15 Aug 2008 Operator: LIPANI Sample : 1124913 2.5 Misc : IT-Latham R8-43894 OLC2.1LL Inst : MS#6 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			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

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

Operator : LIPANI

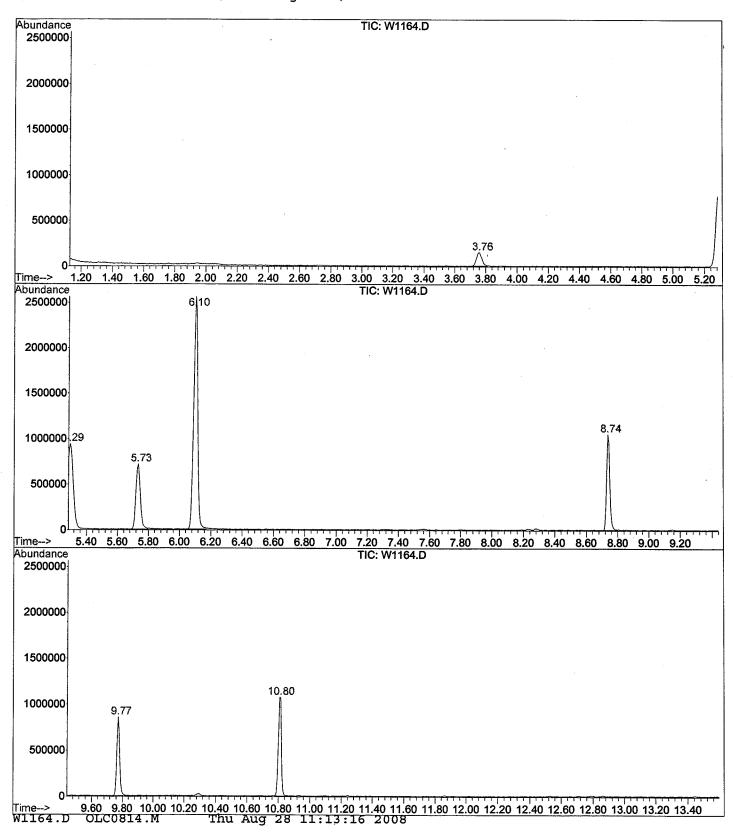
Acquired : 15 Aug 2008 1:09 am using AcqMethod OLC0814

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

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

1 4

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE

Lab Name:	CAS/RC	CH			Contract:	IT Latham		
Lab Code:	10145		Case No.:	R8-45271	SAS No	.: 8	SDG No.: Influent	t
Matrix: (soil/w	/ater)	WATE	₹		Lat	Sample ID:	1124915 1.0	
Sample wt/vo	ıl:	25.0	(g/ml)	ML	Lai	File ID:	W1165.D	
Level: (low/m	ned)	LOW			Da	te Received:	8/8/08	
% Moisture: r	not dec.				Da	te Analyzed:	8/15/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (n	nm)	Dik	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Volu	ume:	(uL

CONCENTRATION UNITS:

CACNO	COMPOUND	(un/l on un/l/n)		0
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	Trichlorofluorom	nethane	1	U
75-35-4	1,1-Dichloroethe		. 1	U
67-64-1	Acetone		1	JB
75-15-0	Carbon Disulfide	е	1	U
75-09-2	Methylene Chlo	ride	1	U
156-60-5	trans-1,2-Dichlo		1	·Ú
75-34-3	1,1-Dichloroetha		1	U
156-59-2	cis-1,2-Dichloro		1	· U
78-93-3	2-Butanone		5	U
74-97-5	Bromochlorome	thane	1	. U
67-66-3	Chloroform		1	· U
107-06-2	1,2-Dichloroetha	ane	1	U
71-55-6	1,1,1-Trichloroe	thane	1	U
56-23-5	Carbon Tetrach		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		0.1	J
78-87-5	1,2-Dichloroprop	pane	1	U
75-27-4	Bromodichloron		1	U
10061-01-5	cis-1,3-Dichloro		1	U
108-10-1	4-Methyl-2-Pent		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichlo	ropropene	1	U
79-00-5	1,1,2-Trichloroe		1	Ū
127-18-4	Tetrachioroethe		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochlorom	nethane	0.2	J
106-93-4	1,2-Dibromoetha		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	Ü
1330-20-7	(m+p) Xylene		1	Ū
1330-20-7	o-Xylene		1	Ü
100-42-5	Styrene		1	Ü
79-34-5	1,1,2,2-Tetrachle	oroethane	i	Ü
75-25-2	Bromoform		0.4	J
541-73-1	1,3-Dichloroben	zene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE

Lab Name:	CAS/RC	OCH		C	ontract:	IT Latham	L		<u> </u>	
Lab Code:	10145	Cas	se No.: R8	-45271	SAS No	••	SDG	No.:	Influent	
Matrix: (soil/v	vater)	WATER	_		Lab	Sample II): <u>11</u>	24915	1.0	
Sample wt/vo	ol:	25.0	(g/ml) MI		Lab	File ID:	W	1165.D) 	
Level: (low/n	ned)	LOW	_		Dat	te Received	d: <u>8/8</u>	3/08		
% Moisture: r	not dec.	·			Dat	te Analyzed	l: <u>8/</u> 1	5/08		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.1</u>	18 (mm)		Dilu	ution Factor	: <u>1.0</u>)		
Soil Extract V	/olume:		_ (uL)		Soi	l Aliquot Vo	lume			(uL)
				CONC	ENTRAT	ION UNITS	S:			
CAS NO).	COMPO	DUND	(ug/L o	r ug/Kg)	UG/L			Q	

106-46-7	1,4-Dichlorobenzene	1	IJ
95-50-1	1,2-Dichlorobenzene	1	Ū
96-12-8	1,2-Dibromo-3-chloropropane	1	Ū
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 **WATER** Matrix: (soil/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:** (ug/L or ug/Kg) UG/L Number TICs found: CAS NO. **COMPOUND NAME** RT -EST. CONC. Q

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

Acq On : 15 Aug 2008 1:44 am

Vial: 28 Operator: LIPANI Inst : MS#6

Sample : 1124915 1.0 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)

: 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 Cond	c Units Dev(Min)
1) 1,4-Difluorobenzene 20) d5-Chlorobenzene 42) d4-Dichlorobenzene	5.73 114 8.74 117 10.81 152	489204 5	.00 ug/L 0.00 .00 ug/L 0.00 .00 ug/L 0.00
System Monitoring Compounds 19) SURR2,BFB Spiked Amount 5.000	9.77 174	210334 4 Recovery	.84 ug/L 0.00 = 96.80%
Target Compounds 8) Acetone 24) Trichloroethene 34) Dibromochloromethane 43) Bromoform	1.94 43 6.11 95 7.80 129 9.14 173	5946 0 3769 0	Ovalue .05 ug/L 86 JB .15 ug/L # 82 J .17 ug/L 100 J .43 ug/L 90 J

^{(#) =} qualifier out of range (m) = manual integration W1165.D OLC0814.M Mon Aug 18 09:15:30 2008

MS Integration Params: CPD4.P

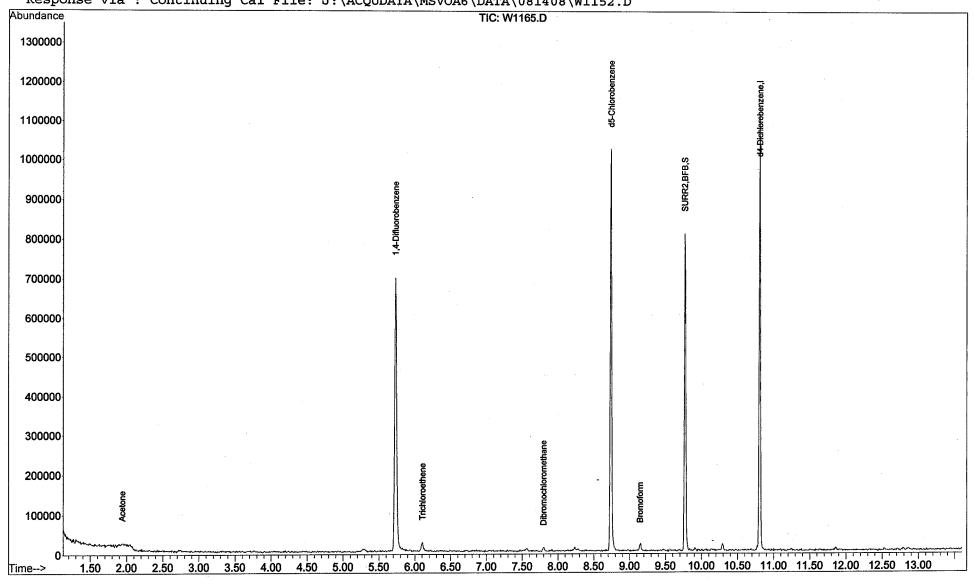
Quant Time: Aug 18 9:16 2008 Quant Results File: OLC0814.RES

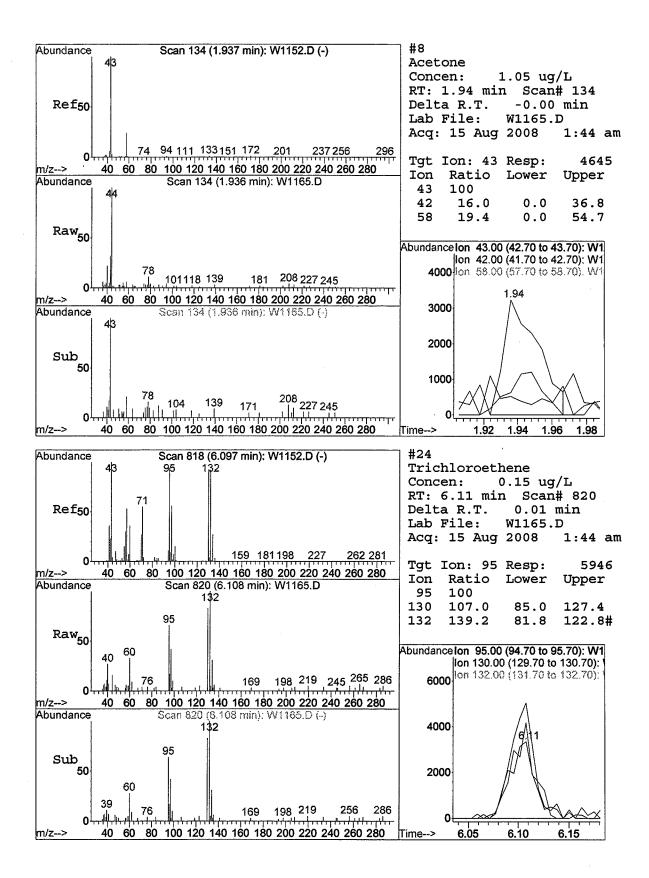
Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

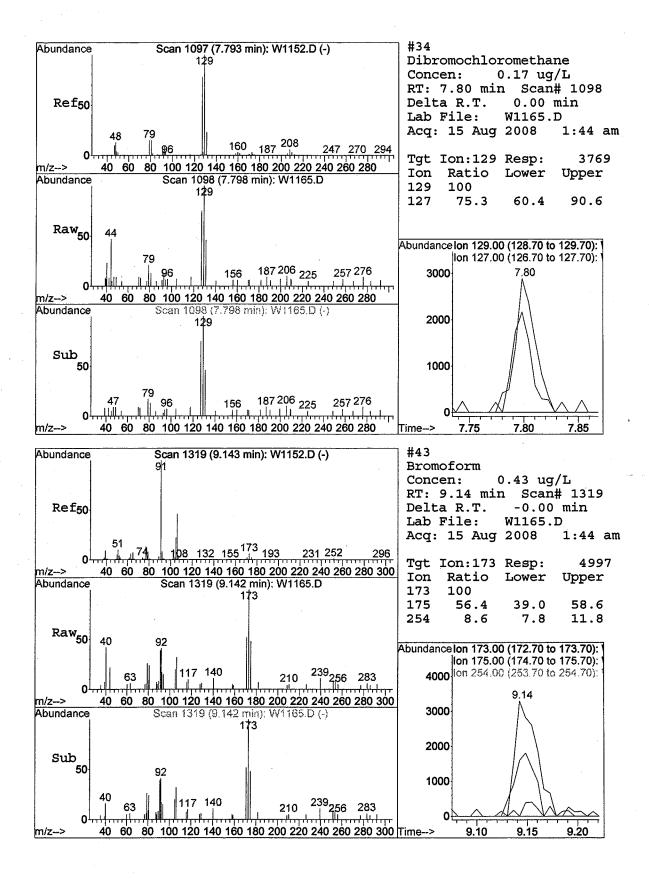
Title : OLC 2.1 WATERS

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

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







LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1165.D Vial: 28

Acq On : 15 Aug 2008 Operator: LIPANI 1:44 am Sample : 1124915 1.0 Misc : IT-Latham R8-43894 OLC2.1LL Inst : MS#6 Multiplr: 1.00

MS Integration Params: LSCINT.P

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

Title : OLC 2.1 WATERS Smoothing : OFF Filtering: 5

Min Area: 1 % of largest Peak Sampling : 1

Max Peaks: 100 Start Thrs: 0.2 Peak Location: TOP Stop Thrs: 0

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

: TIC Signal

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

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

Operator : LIPANI

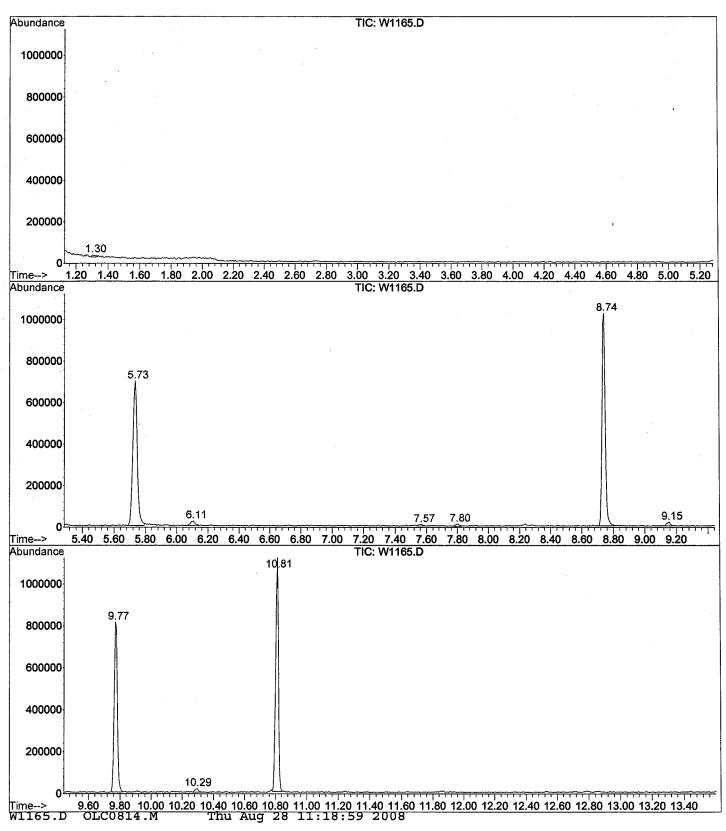
Acquired : 15 Aug 2008 1:44 am using AcqMethod OLC0814

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

W1165.D OLC0814.M Thu Aug 28 11:18:59 2008

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name:	CAS/RC	OCH		_ Contract:	IT Latham		
Lab Code:	10145	с	ase No.: <u>R8-4527</u>	1 SAS No	o.: S	DG No.: Influent	·
Matrix: (soil/w	vater)	WATER		La	b Sample ID:	1124916 1.0	
Sample wt/vol:		25.0	(g/ml) ML	La	b File ID:	W1159.D	
Level: (low/m	ned)	LOW		Da	te Received:	8/8/08	
% Moisture: r	not dec.			Da	te Analyzed:	8/14/08	
GC Column:	DB-VF	RX ID: C).18 (mm)	Dil	ution Factor:	1.0	
Soil Extract V	olume:		(uL)	So	il Aliquot Volu	me:	(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	Ū
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ū
75-25-2	Bromoform	1	
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

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Lab Name:	CAS/RC	CH			Contract:	IT Latham	l			
Lab Code:	10145	Ca	se No.: R	3-45271	SAS No	.:	SDO	G No.:	Influent	
Matrix: (soil/v	vater)	WATER	_		Lai	Sample II	D: <u>1</u>	124916	1.0	
Sample wt/vo	ol:	25.0	(g/ml) M	L	Lat	File ID:	<u>v</u>	V1159.E	<u> </u>	
Level: (low/n	ned)	LOW			Da	te Receive	d: <u>8</u>	/8/08		
% Moisture: ı	not dec.				Da	te Analyzed	d: <u>8</u>	/14/08		
GC Column:	DB-VR	X ID: 0.	18 (mm))	Dile	ution Facto	r: <u>1</u>	.0		
Soil Extract V	/olume: _		_ (uL)		Soi	l Aliquot Vo	olum	e:		(uL)
				CON	CENTRAT	ION UNITS	S:			
CAS NO).	COMP	OUND	(ug/L	. or ug/Kg)	UG/L			Q	

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

106-46-7

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

COMPOUND	(ug/L or ug/Kg)	UG/L		Q
1,4-Dichlorober	nzene		1	U
1,2-Dichlorober	zene		1	U
1,2-Dibromo-3-	chloropropane		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT Lab Name: CAS/ROCH Contract: IT Latham 10145 Case No.: R8-45271 SAS No.: SDG No.: Influent Lab Code: WATER Lab Sample ID: 1124916 1.0 Matrix: (soil/water) 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:** (ug/L or ug/Kg) UG/L Number TICs found: **COMPOUND NAME** CAS NO. RT EST. CONC. Q

(NOC KENTEMER)

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

Operator: LIPANI Inst : MS#6 Multiplr: 1.00

Vial: 22

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. QIor	n Response Conc Units Dev(Min)
1) 1,4-Difluorobenzene 20) d5-Chlorobenzene 42) d4-Dichlorobenzene	5.73 114 8.74 117 10.81 152	7 498177 5.00 ug/L 0.00
System Monitoring Compounds 19) SURR2,BFB Spiked Amount 5.000	9.77 174	4 209370 4.78 ug/L 0.00 Recovery = 95.60%
Target Compounds 8) Acetone 24) Trichloroethene 34) Dibromochloromethane 43) Bromoform	1.95 43 6.11 95 7.80 129 9.15 173	5 6658 0.16 ug/L # 80 9 10585 0.47 ug/L 85

^{(#) =} qualifier out of range (m) = manual integration W1159.D OLC0814.M Mon Aug 18 09:14:28 2008

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

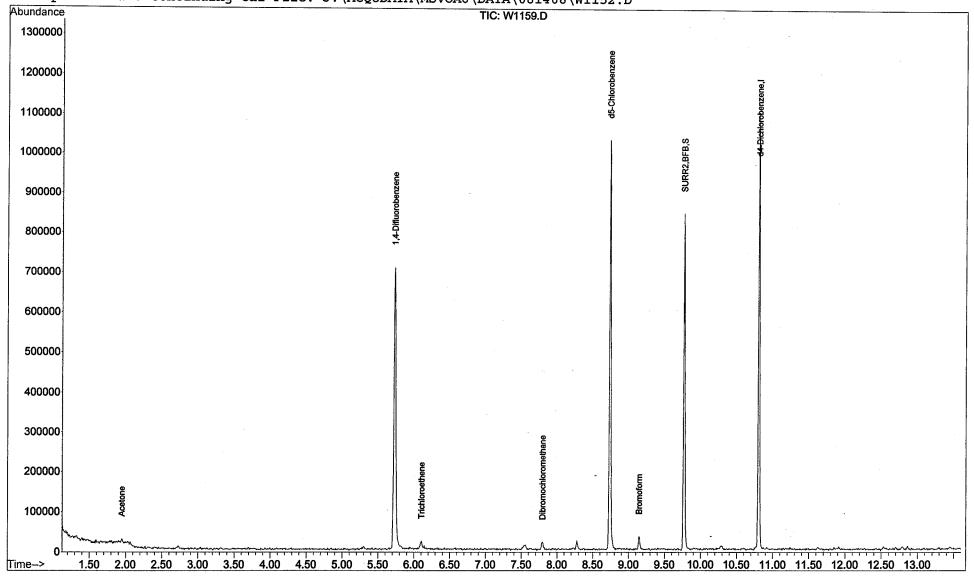
Quant Time: Aug 18 9:14 2008 Quant Results File: OLC0814.RES

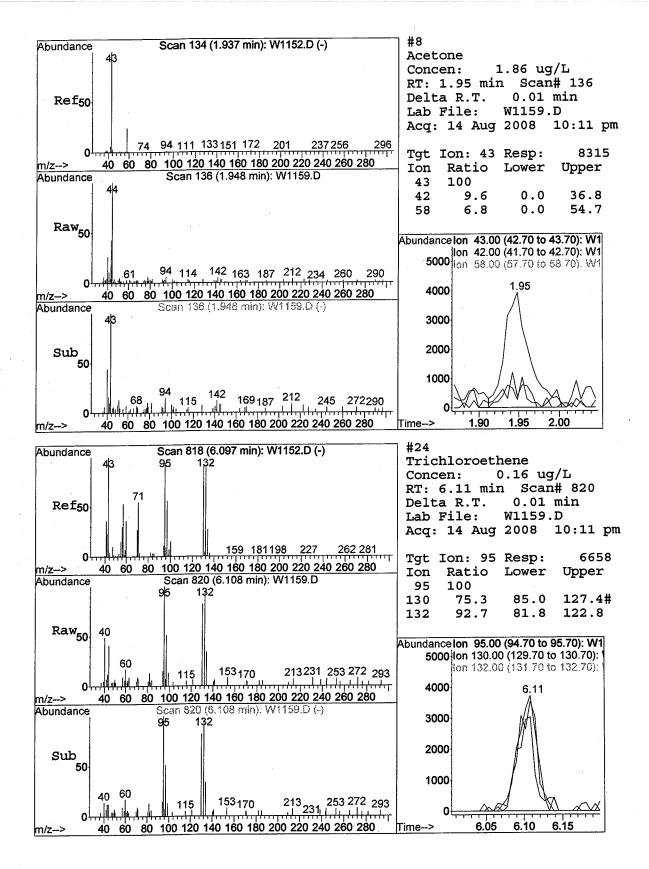
Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

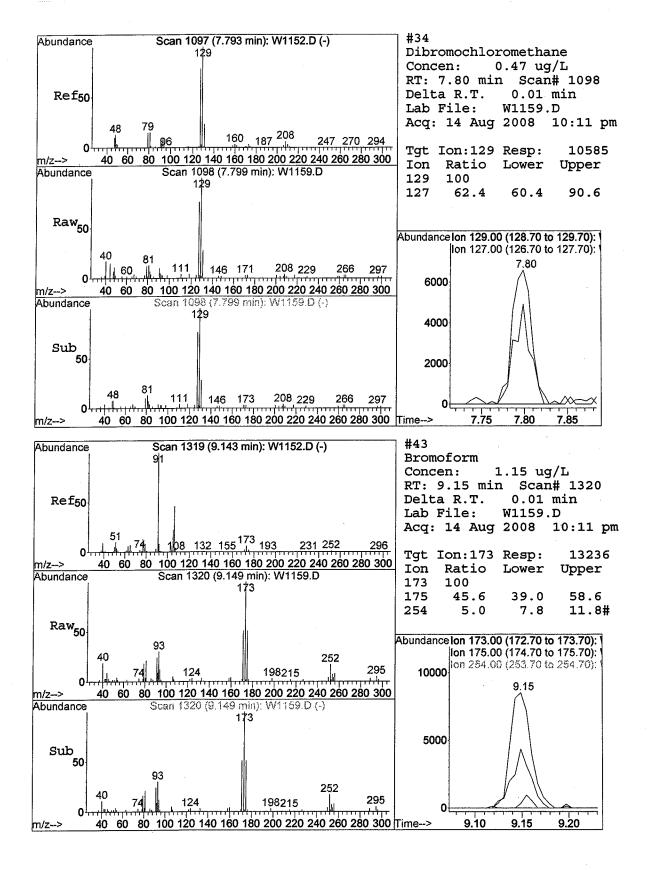
Title : OLC 2.1 WATERS

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

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







LSC Area Percent Report

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

Misc : IT-Latham R8-43894 OLC2.1LL 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.	first scan		last scan	PK TY	peak height	corr. area	corr. % max.	% of total
π									
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		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

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1159.D

Operator : LIPANI

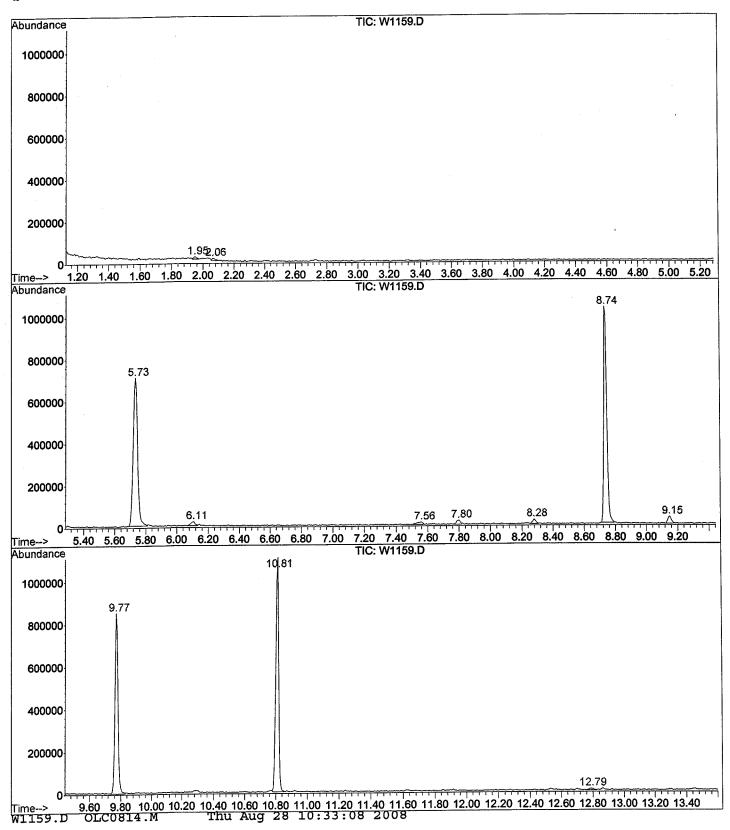
Acquired : 14 Aug 2008 10:11 pm using AcqMethod OLC0814

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)



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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	CH			Contract:	IT Latham	_	
Lab Code:	10145		Case No.:	R8-45271	SAS No	.: S	SDG No.: Influent	
Matrix: (soil/v	vater)	WATER	<u> </u>		Lat	Sample ID:	1124917 1.0	·
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W1158.D	
Level: (low/n	ned)	LOW			Da	te Received:	8/8/08	
% Moisture: r	not dec.				Da	te Analyzed:	8/14/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	il Aliquot Vol	ume:	(uL)

CONCENTRATION UNITS:

		CONCENTION) 1 O 1 1 1 O .		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	<u> </u>	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	Trichlorofluorome	ethane		1	U
75-35-4	1,1-Dichloroether	ne	·	. 1	U
67-64-1	Acetone			5	U
75-15-0	Carbon Disulfide			1	U
75-09-2	Methylene Chlori	de		1	U
156-60-5	trans-1,2-Dichlor	oethene		11	U
75-34-3	1,1-Dichloroethar	ne		11	U
156-59-2	cis-1,2-Dichloroe	thene		1	· U
78-93-3	2-Butanone			5	U
74-97-5	Bromochlorometh	nane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroethar	ne		1	U
71-55-6	1,1,1-Trichloroeth	nane		1	U
56-23-5	Carbon Tetrachlo	oride		1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropropa	ane		1	U
75-27-4	Bromodichlorome	ethane		11	U
10061-01-5	cis-1,3-Dichlorop	ropene		1	U
108-10-1	4-Methyl-2-Penta	none		5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichloro	propene		1	U
79-00-5	1,1,2-Trichloroeth	nane		1	U
127-18-4	Tetrachloroethen	е		1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorome	ethane		1	U
106-93-4	1,2-Dibromoethar			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-Tetrachlor	roethane		1	U
75-25-2	Bromoform			1	U
541-73-1	1,3-Dichlorobenze	ene		1	Ū

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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									i ini	r dlani	Λ !
Lab I	Name:	CAS/RC	OCH			Contract:	IT La	tham			
Lab (Code:	10145	Cas	se No.: R8	-45271	SAS No	o.:	s	DG No.:	Influent	
Matri	ix: (soil/v	vater)	WATER	_		Lal	b Sam	ple ID:	1124917	7 1.0	
Sam	ple wt/vo	ol:	25.0	(g/ml) MI		Lal	b File I	D:	W1158.	D	
Leve	l: (low/n	ned)	LOW			Da	te Rec	eived:	8/8/08		
% M	oisture: ı	not dec.				Da	te Ana	lyzed:	8/14/08	,	
GC (Column:	DB-VF	EX ID: 0.1	8 (mm)		Dile	ution F	actor:	1.0		
Soil E	Extract V	/olume:		_ (uL)		Soi	il Aliqu	ot Volu	me:		(uL)
					CON	ICENTRAT	TION L	NITS:			
	CAS NO).	COMPO	DUND	(ug/L	. or ug/Kg)	<u>L</u>	IG/L		Q	
Γ	106-46	6-7	1,4-Di	chlorobenz	ene				1	U	
	95-50-	1	1,2-Di	chlorobenz	ene				1	U	
.	96-12-	8	1,2-Di	bromo-3-ch	loropro	pane			1	U	
. [120-82		1,2,4-	Frichlorobe	nzene				1	U	
ľ	07.69		Hevac	hlorobutadi	iene				1	11	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EST. CONC.

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RT

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

COMPOUND NAME

CAS NO.

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D Vial: 21
Acq On : 14 Aug 2008 9:36 pm Operator: LII

Operator: LIPANI Inst : MS#6

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

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 C	onc Units Dev	(Min)
1) 1,4-Difluorobenzene 20) d5-Chlorobenzene 42) d4-Dichlorobenzene	5.73 8.74 10.81	114 117 152	598119 503733 242645	5.00 ug/L 5.00 ug/L 5.00 ug/L	0.00 0.00 0.00
System Monitoring Compounds 19) SURR2,BFB Spiked Amount 5.000	9.77	174	211684 Recovery	<u> </u>	0.00
Target Compounds -8) Acetone 10) Methylene Chloride	1.94 2.27	43 84	3573 3954	1.08m. Qv. 0.81 ug/L 0.10 ug/L #	alue B not enough 93 LT mass 58

8/28/08

^{(#) =} qualifier out of range (m) = manual integration W1158.D OLC0814.M Mon Aug 18 09:14:18 2008

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

5\DATA\081408\W1158.D Vial: 21

Acq On : 14 Aug 2008 9:36 pm Sample : 1124917 1.0

Operator: LIPANI 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

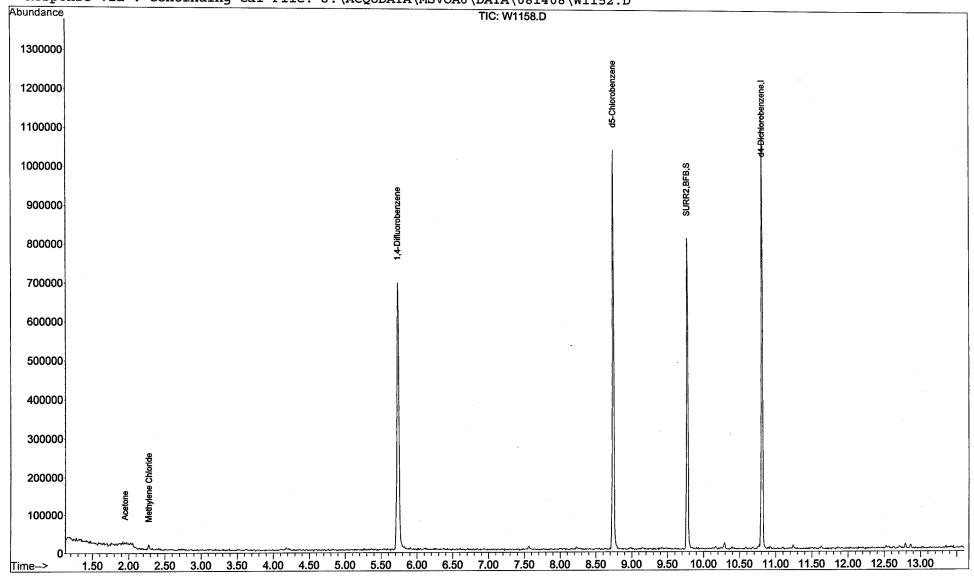
: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

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 : 14 Aug 2008 9:36 pm Operator: LIPANI Acq On

: 1124917 1.0 Sample

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

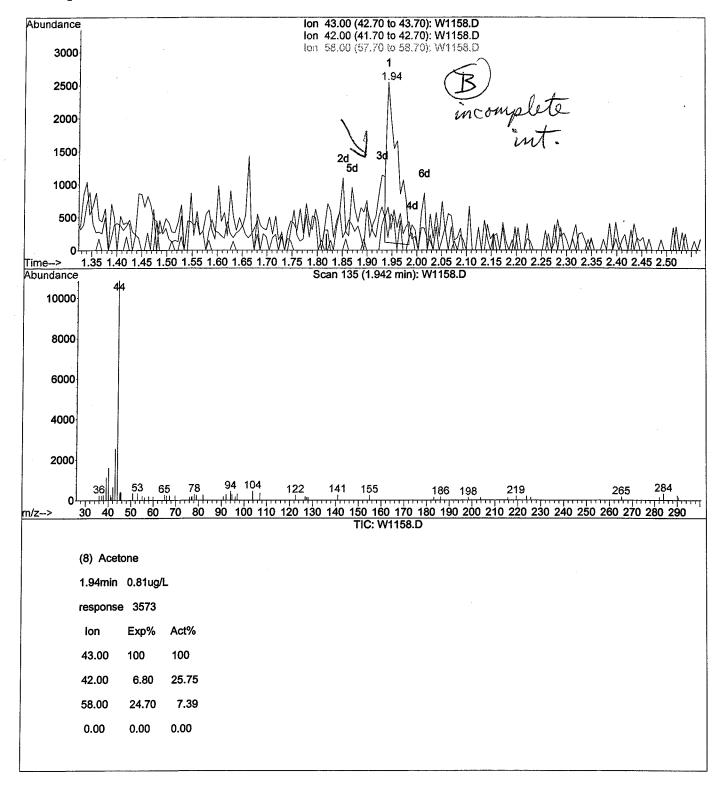
Quant Results File: temp.res

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



Quantitation Report (Qedit)

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

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

Vial: 21

Acq On : 14 Aug 2008

9:36 pm

Operator: LIPANI Inst : MS#6

Sample Misc : 1124917 1.0

: IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

MS Integration Params: CPD4.P

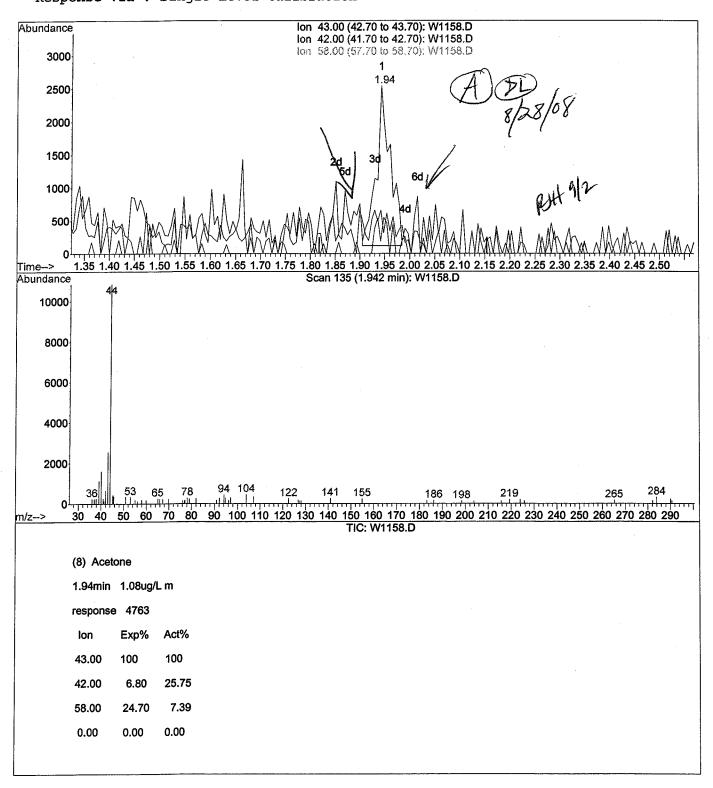
Quant Time: Aug 28 10:08 2008

Quant Results File: temp.res

Method Title

: OLC 2.1 WATERS

Last Update : Mon Aug 18 09:06:03 2008 Response via : Single Level Calibration



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 Misc : IT-Latham R8-43894 OLC2.1LL Inst : MS#6 Multiplr: 1.00

MS Integration Params: LSCINT.P

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

Title : OLC 2.1 WATERS

Filtering: 5 Smoothing : OFF

Min Area: 1 % of largest Peak Max Peaks: 100 Sampling : 1

Start Thrs: 0.2 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

: TIC Signal

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	
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 File : J:\ACQUDATA\MSVOA6\DATA\081408\W1158.D

Operator : LIPANI

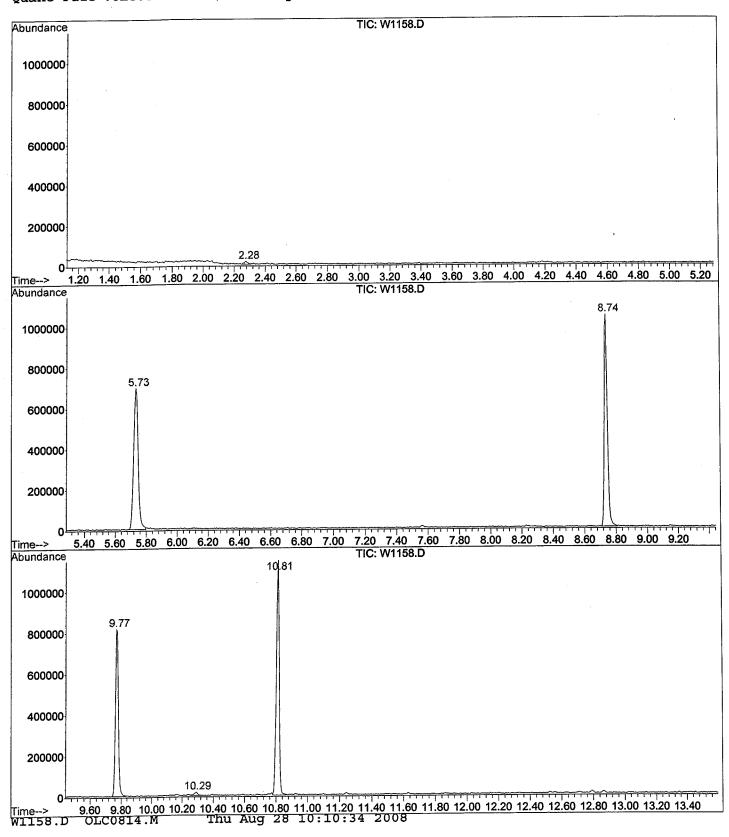
Acquired : 14 Aug 2008 9:36 pm using AcqMethod OLC0814

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)



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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/RC	CH		Contract:	IT Latham	_	
Lab Code:	10145	(Case No.: R8-45271	SAS No	.: s	DG No.: Influent	
Matrix: (soil/w	vater)	WATER	<u> </u>	Lal	Sample ID:	1124918 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	W1166.D	
Level: (low/m	ned)	LOW		Da	te Received:	8/8/08	
% Moisture: r	not dec.			Da	te Analyzed:	8/15/08	
GC Column:	DB-VR	X ID:	0.18 (mm)	Dile	ution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soi	il Aliquot Volu	ıme:	(uL

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			11	U
75-00-3	Chloroethane			1	U
75-69-4	Trichlorofluorom	ethane		1	U
75-35-4	1,1-Dichloroethe	ne		1	U
67-64-1	Acetone			5	U
75-15-0	Carbon Disulfide)		1	U
75-09-2	Methylene Chlor	ide		1	U
156-60-5	trans-1,2-Dichlo	roethene		1	U
75-34-3	1,1-Dichloroetha	ine		1	U
156-59-2	cis-1,2-Dichloroe	ethene		1	<u> </u>
78-93-3	2-Butanone			5	U
74-97-5	Bromochlorome	hane		1	U
67-66-3	Chloroform			11	U
107-06-2	1,2-Dichloroetha	ne		11	U
71-55-6	1,1,1-Trichloroet			1	U
56-23-5	Carbon Tetrachl	oride		1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloroprop	ane		11	U
75-27-4	Bromodichlorom	ethane		11	U
10061-01-5	cis-1,3-Dichlorop	propene		1	U
108-10-1	4-Methyl-2-Pent	anone		5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichlor	opropene		1	U
79-00-5	1,1,2-Trichloroet			1	U
127-18-4	Tetrachloroether			1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorom	ethane		0.2	J
106-93-4	1,2-Dibromoetha	ine		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-Tetrachlo	proethane		1	U
75-25-2	Bromoform			0.6	J
541-73-1	1,3-Dichlorobenz	zene		1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

1

1

1

U

Lab Name:	CAS/RC	CH			Contract:	IT Latham	_ L		· ·	
Lab Code:	10145	Cas	se No.: R	8-45271	SAS No		SDG N	o.: [Influent	
Matrix: (soil/v	vater)	WATER	_		Lat	Sample ID	: 1124	918	1.0	·
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	/L	Lat	File ID:	W11	66.D		
Level: (low/n	ned)	LOW	_		Da	te Received	: <u>8/8/0</u>	8		
% Moisture: r	not dec.				Da	te Analyzed	: 8/15	/08		
GC Column:	DB-VR	X ID: 0.1	18 (mm)	Dilu	ution Factor	1.0			
Soil Extract V	olume:		_ (uL)		Soi	l Aliquot Vol	lume:			(uL)
				CON	ICENTRAT	ION UNITS	:			
CAS NO).	COMPO	DUND	(ug/L	or ug/Kg)	UG/L			Q	
106-46	i-7	1,4-Di	chloroben	zene				1	U	
05.50	1	1 2-Di	chloroben	zene				1	U	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3 87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

COOLER BLK Lab Name: CAS/ROCH Contract: IT Latham 10145 SAS No.: SDG No.: Influent Lab Code: Case No.: R8-45271 **WATER** Lab Sample ID: 1124918 1.0 Matrix: (soil/water) 25.0 Lab File ID: W1166.D (g/ml) ML Sample wt/vol: LOW Date Received: 8/8/08 Level: (low/med) % Moisture: not dec. Date Analyzed: 8/15/08 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: Soil Extract Volume: (uL) (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: RT EST. CONC. CAS NO. **COMPOUND NAME** Q

(NOC KEATEMEN)

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 Misc : IT-Latham R8-43894 OLC2.1LL Inst : MS#6 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. QI	on Response C	onc Units Dev(M	fin)
1) 1,4-Difluorobenzene	5.73 1	14 604469		0.00
20) d5-Chlorobenzene	8.74 1	17 496406	5.00 ug/L 0	0.00
42) d4-Dichlorobenzene	10.80 1	52 232988	5.00 ug/L 0	0.00
System Monitoring Compounds				
19) SURR2,BFB	9.77 1	74 214266	4.89 ug/L 0	0.00
Spiked Amount 5.000		Recovery	= 97.80%	
Target Compounds			Qval	ue
-8) Acetone	1.94	43 5110	-1.15 ug/L	_58. low mass 50
34) Dibromochloromethane	7.80 1	29 5351	0.24 ug/L	58. low mas \$ 58 94 J
43) Bromoform	9.14 1	73 7415	0.63 ug/L	95 T

^{(#) =} qualifier out of range (m) = manual integration W1166.D OLC0814.M Mon Aug 18 09:15:39 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1166.D Acq On

: 15 Aug 2008 2:19 am

Vial: 29 Operator: LIPANI

Sample : 1124918 1.0 Misc

Inst : MS#6 Multiplr: 1.00

: IT-Latham R8-43894 OLC2.1LL MS Integration Params: CPD4.P

Quant Time: Aug 18 9:16 2008

Quant Results File: OLC0814.RES

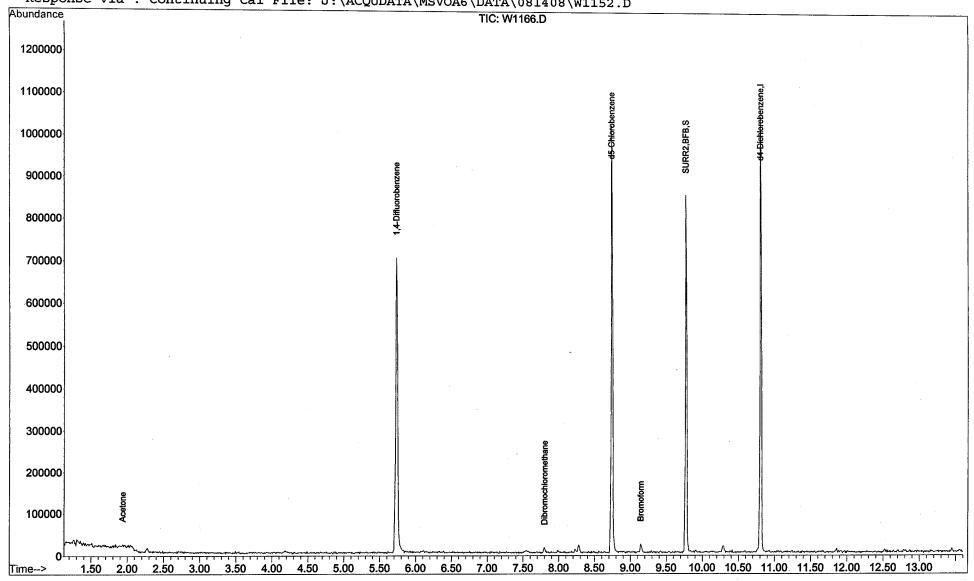
Method

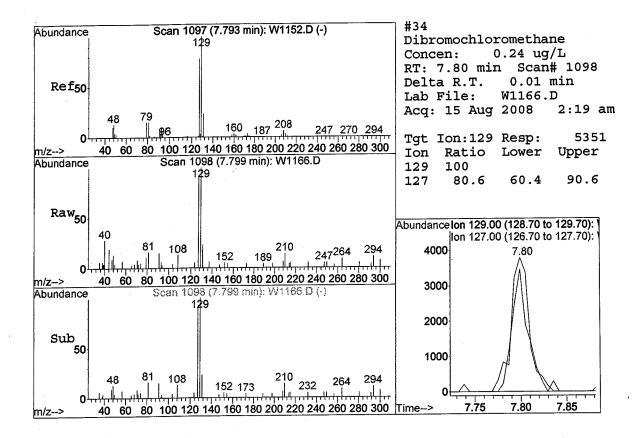
: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

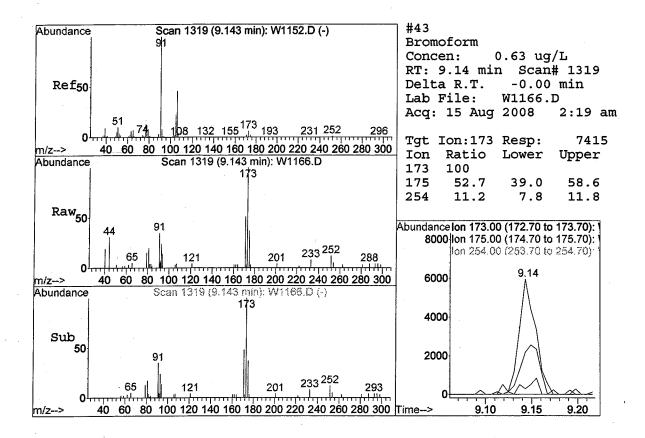
Title : OLC 2.1 WATERS

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

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







LSC Area Percent Report

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1166.D Vial: 29

Operator: LIPANI Acq On : 15 Aug 2008 2:19 am : 1124918 1.0 Inst : MS#6 Sample Multiplr: 1.00 : IT-Latham R8-43894 OLC2.1LL Misc

MS Integration Params: LSCINT.P

Method : J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)
Title : OLC 2.1 WATERS

Filtering: 5 Smoothing : OFF

Min Area: 1 % of largest Peak Sampling : 1

Max Peaks: 100 Start Thrs: 0.2 Peak Location: TOP Stop Thrs : 0

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%
_	10.286	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

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

File : J:\ACQUDATA\MSVOA6\DATA\081408\W1166.D

Operator : LIPANI

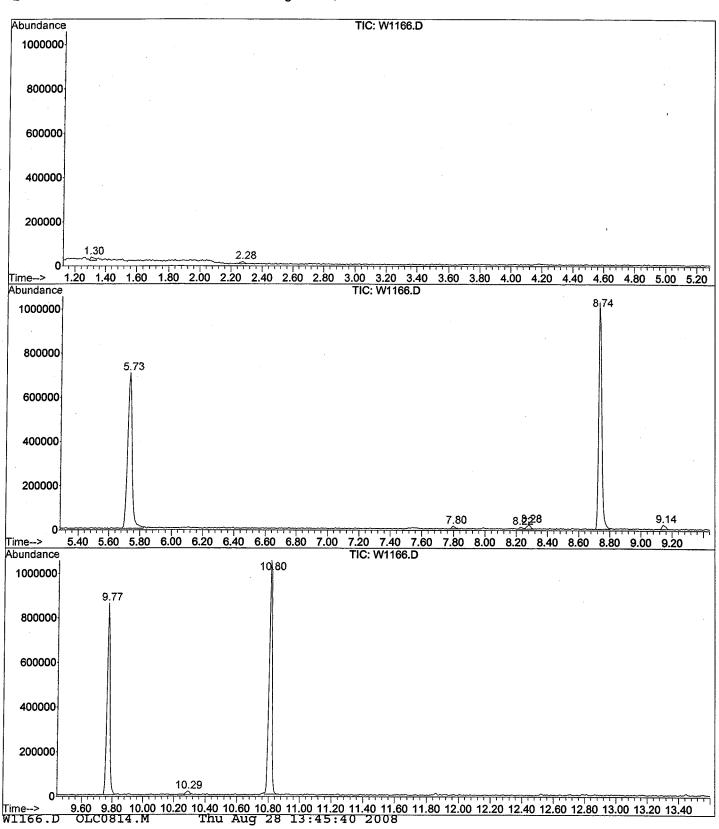
Acquired : 15 Aug 2008 2:19 am using AcqMethod OLC0814

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

W1166.D OLC0814.M Thu Aug 28 13:45:40 2008

VOLATILE ORGANICS STANDARDS DATA

6A **VOLATILE ORGANICS INITIAL CALIBRATION DATA**

Contract: IT Latham Lab Name: CAS/ROCH

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

Calibration Date(s): 8/14/08 8/14/08 Instrument ID: GCMS#6 15:42 18:51 Ν **Calibration Times:**

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

Heated Purge (Y/N):

RRF1 = W1148.D RRF2 = W1149.DLAB FILE ID: RRF25 = W1153.D= W1152.D RRF10 = W1151.DRRF5

COMPOUND								%	
Vinyl Chloride	COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF25	RRF	RSD	
Bromomethane	Chloromethane	* 0.636	0.561	0.538					*
Chloroethane	Vinyl Chloride	* 0.535	0.543	0.496					*
Trichlorofluoromethane	Bromomethane	* 0.365	0.328					···	*
1,1-Dichloroethene	Chloroethane	0.330	0.309	0.290					*
1,1-Dichloroethene	Trichlorofluoromethane	0.010	0.806	0.718	0.820				*
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-Dichloroethane * 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 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 0.680 0.690 5.5 1,2-Dichloroethane * 0.340 0.804 0.784 0.867 0.892 0.837 5.3 Carbon Tetrachloride * 0.660 0.638		* 0.365	0.357	0.359	0.393				*
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 0.408 0.0407 0.048 0.047 0.048 0.047 0.048 0.040 0.041 0.0404	Acetone	* 0.055	0.044	0.037					*
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 * 6 1,1-Dichloroethane * 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 <td>Carbon Disulfide</td> <td>* 1.373</td> <td>1.306</td> <td>1.279</td> <td>1.283</td> <td></td> <td></td> <td></td> <td>*</td>	Carbon Disulfide	* 1.373	1.306	1.279	1.283				*
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-Dichloroethane * 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 0.048 0.047 0.048 0.048 0.047 0.048 0.048 0.047 0.048 0.048 0.047 0.048 0.048 0.047 0.048 0.048 0.047 0.048 0.048 0.047 0.048 0.048 0.048 0.048 0.048 0.048 0.048 0.048 0.048 0.048 0.048 0.048 0.048 0.048 0.088 0.690 5.53 1.2-Dichloroethane 0.0840 0.804 0.784 0.0867 0.083 0.660 5.63 1.2-Tothoroethane 0.0660 0.638 0.610 0.089 0.075 <t< td=""><td></td><td>* 0.350</td><td>0.344</td><td>0.318</td><td>0.351</td><td></td><td></td><td></td><td>*</td></t<>		* 0.350	0.344	0.318	0.351				*
1,1-Dichloroethane		* 0.436	0.408	0.398	0.444				*
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 0.047 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 0.433 5.0 * 1,2-Dichloropropane * 0.346 0.297 0.284 <		* 0.771	0.729						
2-Butanone * 0.050 0.047 0.048 0.047 0.048 2.8 8 8 8 8 0.147 0.142 0.122 0.145 0.135 0.138 7.5 1 1 1 1 1 1 1 1 1		* 0.407	0.400	0.382	0.429	0.405	0.405		*
Bromochloromethane		* 0.050	0.047	0.048	0.048				*
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-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 * Trichloroethene * 0.425 0.414 0.406 0.454 0.451 0.430 5.0 * Trichloroethene * 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 * A.4 * A.4 * A.3		* 0.147	0.142	0.122	0.145	0.135	0.138		
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 Trichloropropane * 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 <td< td=""><td></td><td>* 0.724</td><td>0.688</td><td>0.630</td><td>0.721</td><td>0.688</td><td></td><td></td><td></td></td<>		* 0.724	0.688	0.630	0.721	0.688			
1,1,1-Trichloroethane		* 0.350	0.359	0.314	0.363	0.323	0.342		
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 * 0.494 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		* 0.840	0.804	0.784	0.867	0.892	0.837		
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 * 0.565 0.454 0.428 5.1 * 0.565 0.401 0.445 0.454 0.428 5.1 * 0.565 0.454 0.428 5.1 * 0.565 0.463 0.427 5.9 * 4.4 * 0.466 0.445 0.463 0.427 5.9 * 4.4 <t< td=""><td></td><td>* 0.660</td><td>0.638</td><td>0.610</td><td>0.689</td><td>0.705</td><td>0.660</td><td>5.8</td><td>*</td></t<>		* 0.660	0.638	0.610	0.689	0.705	0.660	5.8	*
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 0.313 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 0.0		* 1.636	1.612	1.564	1.746	1.759	1.663	5.2	*
1,2-Dichloropropane		* 0.425	0.414		0.454	0.451	0.430	5.0	*
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 * Tetrachloroethane * 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 * 0.173 0.152 0.153 0.171 0.165		* 0.346	0.297	0.284	0.323	0.316	0.313	7.7	*
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 * Tetrachloroethane * 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 * 2-Hexanone * 0.055 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 <td></td> <td>* 0.426</td> <td>0.415</td> <td>0.401</td> <td>0.445</td> <td>0.454</td> <td>0.428</td> <td></td> <td>*</td>		* 0.426	0.415	0.401	0.445	0.454	0.428		*
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 * Tetrachloroethane * 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.		* 0.410	0.411	0.406	0.445	0.463	0.427	5.9	*
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 * Tetrachloroethane * 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		* 0.094	0.093	0.092	0.096	0.103	0.096	4.7	*
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		* 1.576	1.546	1.528	1.647	1.692	1.598	4.3	*
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 * </td <td></td> <td></td> <td>0.316</td> <td>0.313</td> <td>0.344</td> <td>0.352</td> <td>0.328</td> <td>5.6</td> <td>]*</td>			0.316	0.313	0.344	0.352	0.328	5.6]*
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 * <t< td=""><td></td><td>* 0.165</td><td>0.155</td><td>0.151</td><td>0.169</td><td>0.168</td><td>0.162</td><td>5.0</td><td>*</td></t<>		* 0.165	0.155	0.151	0.169	0.168	0.162	5.0	*
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 *			0.507	0.497	0.546	0.565	0.532	5.4	*
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 <td></td> <td>* 0.055</td> <td>0.063</td> <td>0.065</td> <td>0.064</td> <td>0.070</td> <td>0.063</td> <td>8.5</td> <td>*</td>		* 0.055	0.063	0.065	0.064	0.070	0.063	8.5	*
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 *				0.224	0.244	0.256	0.240	6.7	*
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 *				0.153	0.171	0.165	0.163	6.0	*
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 *					1.027	1.055	1.006	4.4	*
(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 *					1.937	2.004	1.851	6.0	*
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 *								6.9	7*
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 *									
1,1,2,2-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 *									
Bromoform * 0.270 0.254 0.251 0.286 0.280 0.268 5.8 *									
DIOMOIO!									_
			1.647	1.656	1.840	1.782			

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

6A VOLATILE ORGANICS INITIAL CALIBRATION DATA

Contract: IT Latham Lab Name: CAS/ROCH SAS No.: 10145 SDG No.: Influent Lab Code: Case No.: R8-45271 Calibration Date(s): 8/14/08 8/14/08 Instrument ID: GCMS#6 Ν 15:42 18:51 Heated Purge (Y/N): Calibration Times: ID: 0.18 GC Column: DB-VRX (mm) RRF2 LAB FILE ID: RRF1 = W1148.D= W1149.D RRF5 RRF10 = W1152.D= W1151.DRRF25 = W1153.D% RRF1 RRF5 RRF **COMPOUND** RRF2 RRF10 RRF25 **RSD** 1.805 1.590 1.586 1.722 1.638 1.668 5.6 1.4-Dichlorobenzene 1,2-Dichlorobenzene 1.347 1.309 1.300 1.403 1.312 1.334 3.2 0.050 0.050 1,2-Dibromo-3-chloropropane 0.052 0.045 0.052 0.051 6.3 1,2,4-Trichlorobenzene 0.933 0.912 0.894 1.013 0.951 0.940 4.9 0.613 Hexachlorobutadiene 0.699 0.735 0.688 0.671 7.8 0.621 0.678 0.721 0.684 1,2,3-Trichlorobenzene 0.716 0.683 0.696 2.9

0.322

0.362

0.348

0.368

0.348

5.2

0.343

4-Bromofluorobenzene

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

All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA

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

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

Quant Time: Aug 18 8:59 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 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	v(Min)
1) 1,4-Difluorobenzene	5.7	3 114	517614	E 00/-	
20) d5-Chlorobenzene	8.7			5.00 ug/L	0.00
42) d4-Dichlorobenzene	10.8		205002	5.00 ug/L	0.00
	10.0	1 132	205002	5.00 ug/L	0.00
System Monitoring Compounds					
19) SURR2, BFB	9.7	7 174	35493	0.05/=	
Spiked Amount 5.000	2.7	, 1,4		0.95 ug/L	0.00
2.000			Recove	ry = 19.00%	•
Target Compounds					_
2) Chloromethane	1.26	5 50	65004		ralue
3) Vinyl Chloride	1.35		65824	1.18 ug/L	87
4) Bromomethane	1.52		55373	1.08 ug/L	99
5) Chloroethane	1.52		37777	1.19 ug/L	97
6) Trichlorofluoromethane			34189	1.14 ug/L	99
7) 1,1-Diclethene	1.88		84726	1.14 ug/L	95
8) Acetone	2.18		37817	1.02 ug/L	86
9) Carbon Disulfide	1.94		28268	7.40 ug/L	91
10) Methylene Chloride	2.40		142130	1.07 ug/L	100
11) trans 1 2 Dishlaresth	2.28		36199	1.10 ug/L #	90
11) trans-1,2-Dichloroethene	2.76		45165	1.10 ug/L	84
12) Methyl-t-Butyl Ether	2.87		60845	1.15 ug/L #	93
13) 1,1-Diclethane	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	
25) 1,2-Diclpropane	6.05	63	29960	1.22 ug/L	100
26) Bromodichloromethane	6.14	83	36809	1.06 ug/L	100
27) cis-1,3-Dichloropropene	6.84	75	35466	1.00 ug/L	99
28) 4-Methyl-2-Pentanone	7.01	43	40729	1.01 ug/L	92
29) Toluene	7.56	91	136334	5.11 ug/L	97
30) trans-1,3-Dichloropropene	7.28	75	27315	1.03 ug/L	99
31) 1,1,2-Trichloroethane	7.38	97	14275	1.01 ug/L	95
32) Tetrachloroethene	8.19	166		1.09 ug/L	96
33) 2-Hexanone	7.84	43	47208	1.10 ug/L	95
34) Dibromochloromethane	7.80	129	23729	4.22 ug/L	89
35) 1,2-Dibromoethane			22052	1.14 ug/L	99
36) Chlorobenzene	8.01 8.77	107	14935	1.13 ug/L #	92
37) Ethylbenzene		112	89323	1.08 ug/L	94
38) (m+p) Xylene	8.97	91	153865	1.01 ug/L	98
39) o-Xylene	9.15	106	119898	2.02 ug/L	98
40) Styrene	9.46	106	55734	1.03 ug/L	99
	9.40	104	79333	0.98 ug/L	99
41) 1,1,2,2-Tetrachloroethane		83	14626	1.16 ug/L	93
43) Bromoform		173	11080	1.08 ug/L #	96
44) 1,3-Diclbenzene	10.77	146	75825	1.12 ug/L	97
45) 1,4-Diclbenzene	10.83	146	74019	1.14 ug/L	100
46) 1,2-Diclbenzene	11.09	146	55208	1.04 ug/L	98
46) 1,2-Diclbenzene					

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



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

Acq On : 14 Aug 2008 3:42 pm

Vial: 13 Operator: LIPANI Inst : MS#6

Sample : VSTD001/005 Misc : OLC 2.1 ICAL GCMS#6 MS Integration Params: CPD4.P

Multiplr: 1.00

Quant Time: Aug 18 8:59 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 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 48) 1,2,4-Tcbenzene 49) Hexachlorobt 50) 1,2,3-Tclbenzene	11.46 12.53 12.80 12.86	75 180 225 180	2147 38246 25475 29360	1.00 ug/L 1.04 ug/L 0.89 ug/L 1.05 ug/L	97 98

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1148.D : 14 Aug 2008 3:42 pm Sample : VSTD001/005 Misc

Vial: 13 Operator: LIPANI Inst : MS#6

: OLC 2.1 ICAL GCMS#6 MS Integration Params: CPD4.P

Multiplr: 1.00

Quant Time: Aug 18 8:59 2008

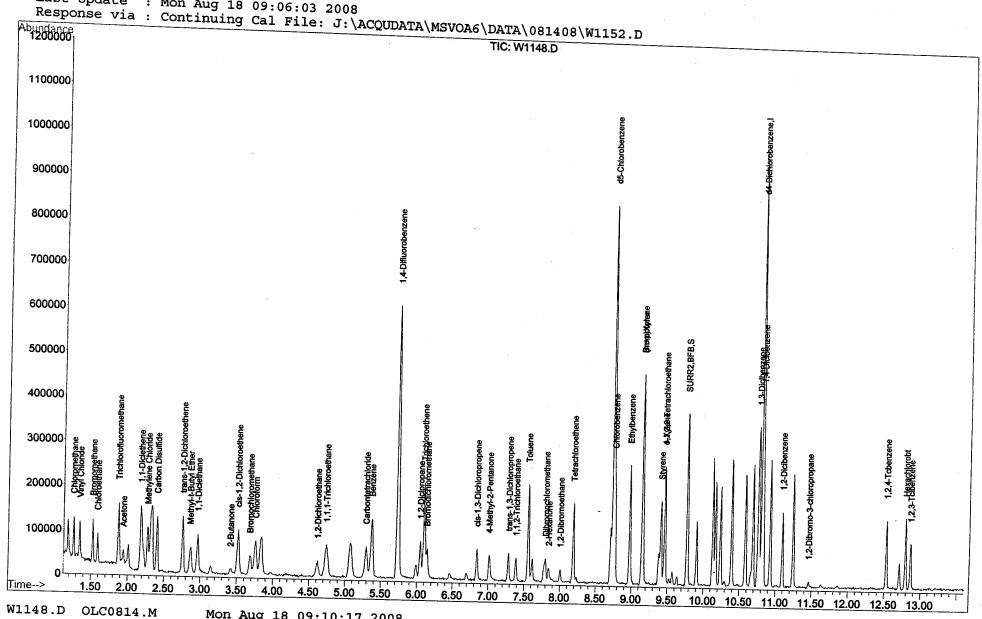
Quant Results File: OLC0814.RES

Method

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

Title

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



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

Acq On : 14 Aug 2008 4:18 pm

: VSTD002/010

: OLC 2.1 ICAL GCMS#6 MS Integration Params: CPD4.P

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

Quant Time: Aug 18 9:01 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 09:00:22 2008

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

DataAcq Meth : OLC0814

Sample

Misc

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		463661	5.00 ug/L	0.00
42) d4-Dichlorobenzene	10.81			5.00 ug/L	0.00 0.00
				3.00 dg/h	0.00
System Monitoring Compounds					
19) SURR2,BFB	9.77	174	70563	1.78 ug/L	0.00
Spiked Amount 5.000			Recove:	ry = 35.60%	
				-1 55.000	
Target Compounds				Ov	alue
2) Chloromethane	1.26		123081	2.09 ug/L	97
3) Vinyl Chloride	1.34		118972	2.19 ug/L	95
4) Bromomethane	1.52		71870	2.13 ug/L	94
5) Chloroethane	1.59		67750	2.13 ug/L	98
6) Trichlorofluoromethane	1.88		176666	2.25 ug/L	100
7) 1,1-Diclethene	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-Diclethane	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 24) Trichloroethene	5.37	78	298940	2.06 ug/L	95
	6.10	95	76700	2.04 ug/L	98
25) 1,2-Diclpropane26) Bromodichloromethane	6.04	63	55125	2.09 ug/L	99
27) gig-1 2 Dighlerence	6.14	83	76897	2.07 ug/L	98
27) cis-1,3-Dichloropropene 28) 4-Methyl-2-Pentanone	6.84	75	76155	2.02 ug/L	94
29) Toluene	7.01	43	86173	10.08 ug/L	95
30) trans-1,3-Dichloropropene	7.56	91	286786	2.02 ug/L	97
31) 1,1,2-Trichloroethane	7.28	75	58552	2.02 ug/L	99
32) Tetrachloroethene	7.38	97	28730	2.05 ug/L	95
33) 2-Hexanone	8.18	166	93943	2.04 ug/L	95
34) Dibromochloromethane	7.84	43	58166	9.66 ug/L #	94
35) 1,2-Dibromoethane	7.80	129	41308	1.99 ug/L	88
36) Chlorobenzene		107	28156	1.99 ug/L	97
37) Ethylbenzene		112	178628	2.02 ug/L	98
38) (m+p)Xylene	8.97	91	328128	2.00 ug/L	99
39) o-Xylene		106	254518	4.01 ug/L	99
40) Styrene		106	116608	2.01 ug/L	100
41		104	168329	1.94 ug/L	99
43) Bromoform		83	27603	2.05 ug/L	98
44) 1,3-Diclbenzene		173	23061	2.03 ug/L	97
45) 1,4-Diclbenzene	10.77	146	149459	1.99 ug/L	98
46) 1,2-Diclbenzene	10.83	146	144285	2.00 ug/L	96
46) 1,2-Dicipenzene			118825	2.01 ug/L	100

^{(#) =} 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 : VSTD002/010 Sample

Vial: 14 Operator: LIPANI

Misc : OLC 2.1 ICAL GCMS#6 Inst : MS#6

MS Integration Params: CPD4.P

Multiplr: 1.00

Quant Time: Aug 18 9:01 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 09:00:22 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	95
48) 1,2,4-Tcbenzene	12.53	180	82773	2.04 ug/L	
49) Hexachlorobt	12.79	225	55601	1.75 ug/L	
50) 1,2,3-Tclbenzene	12.87	180	61524	1.98 ug/L	

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1149.D : 14 Aug 2008 4:18 pm Sample : VSTD002/010

Vial: 14 Operator: LIPANI Inst : MS#6

Misc : OLC 2.1 ICAL GCMS#6 MS Integration Params: CPD4.P

Multiplr: 1.00

Quant Time: Aug 18 9:01 2008

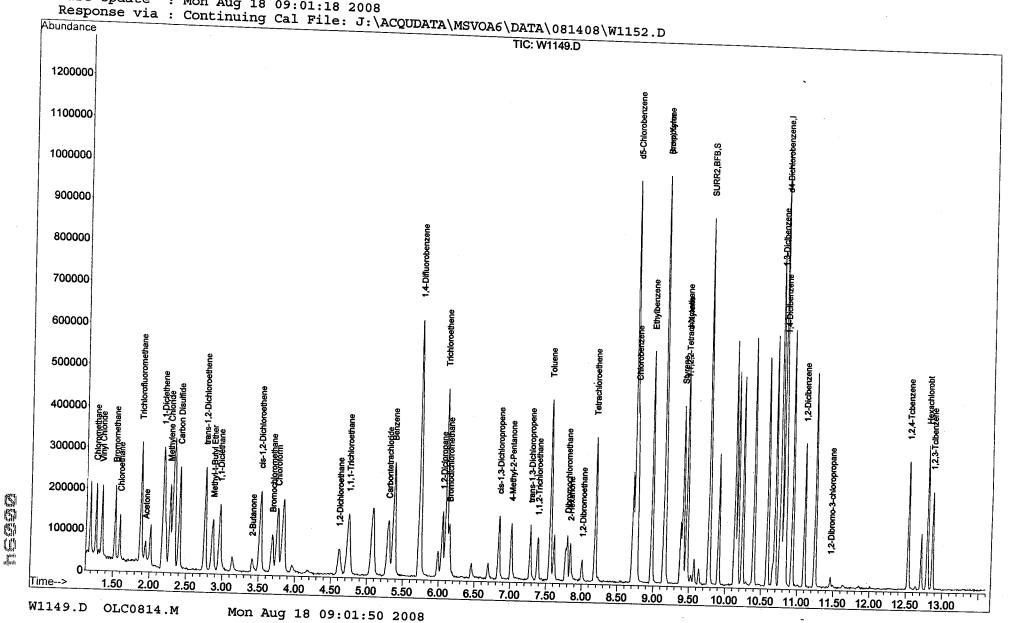
Quant Results File: OLC0814.RES

Method

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

Title

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



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

Acq On : 14 Aug 2008

6:19 pm : VSTD005/025

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

Misc : OLC 2.1 ICAL GCMS#6 MS Integration Params: CPD4.P

Quant Time: Aug 18 8:58 2008 Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLCO814.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

Sample

Internal Standards	R.T	. QIon	Response	Conc Units De	ev(Min)
1) 1,4-Difluorobenzene	5.73	3 114	578770	E 00 22 /T	
20) d5-Chlorobenzene	8.74			5.00 ug/L 5.00 ug/L	0.00
42) d4-Dichlorobenzene	10.8			5.00 ug/L 5.00 ug/L	0.00
			233123	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		- · -	Recove	ery = 100.00	
			1.00070		7.76
Target Compounds				(value
2) Chloromethane	1.26	50	311351	5.00 ug/L	100
Vinyl Chloride	1.35		287164	5.00 ug/L	100
4) Bromomethane	1.52		177795	5.00 ug/L	100
5) Chloroethane	1.59		168005	5.00 ug/L	100
Trichlorofluoromethane	1.88		415298	5.00 ug/L	100
7) 1,1-Diclethene	2.18		207776	5.00 ug/L	100
8) Acetone	1.94		106816	25.00 ug/L	
9) Carbon Disulfide	2.41		739936	5.00 ug/L	100
10) Methylene Chloride	2.27		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-Diclethane	2.96	63	411432		100
14) cis-1,2-Dichloroethene	3.52	96	220852	5.00 ug/L	100
15) 2-Butanone	3.40	43	137840	5.00 ug/L	100
16) Bromochloromethane	3.69		70396	25.00 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		5.00 ug/L	100
22) Carbontetrachloride	5.29	117	369241	5.00 ug/L	100
23) Benzene	5.37	78	287301 736824	5.00 ug/L	100
24) Trichloroethene	6.10	95	191525	5.00 ug/L	100
25) 1,2-Diclpropane	6.05	63		5.00 ug/L	100
26) Bromodichloromethane	6.14	83	133741	5.00 ug/L	100
27) cis-1,3-Dichloropropene	6.84	75	189138	5.00 ug/L	100
28) 4-Methyl-2-Pentanone	7.01	43	191501	5.00 ug/L	100
29) Toluene	7.56	91	217209	25.00 ug/L	100
30) trans-1,3-Dichloropropene	7.28	75	720225	5.00 ug/L	100
31) 1,1,2-Trichloroethane	7.39	97	147489	5.00 ug/L	100
32) Tetrachloroethene	8.19	166	71171	5.00 ug/L	100
33) 2-Hexanone	7.84	43	234355	5.00 ug/L	100
34) Dibromochloromethane	7.79	129	152983	25.00 ug/L	100
35) 1,2-Dibromoethane	8.00		105641	5.00 ug/L	100
36) Chlorobenzene		107	72073	5.00 ug/L	100
37) Ethylbenzene	8.77	112	449782	5.00 ug/L	100
38) (m+p) Xylene	8.97	91	832352	5.00 ug/L	100
39) o-Xylene	9.15	106	645261	10.00 ug/L	100
40) Styrene	9.46	106	295534	5.00 ug/L	100
41) 1,1,2,2-Tetrachloroethane	9.40	104	439986	5.00 ug/L	100
43) Bromoform		83	68534	5.00 ug/L	100
44) 1,3-Diclbenzene		173	58953	5.00 ug/L	100
		146	389459	5.00 ug/L	100
, ,	10.83	146	372923	5.00 ug/L	100
46) 1,2-Diclbenzene	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



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

: 14 Aug 2008 6:19 pm

Sample : VSTD005/025 Misc : OLC 2.1 ICAL GCMS#6

Vial: 17 Operator: LIPANI

Inst : MS#6 Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 18 8:58 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 08:57:52 2008

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

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	
49) Hexachlorobt	12.79	225	164420	5.00 ug/L	
50) 1,2,3-Tclbenzene	12.86	180	160675	5.00 ug/L	

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D Acq On : 14 Aug 2008 Sample

6:19 pm : VSTD005/025

Vial: 17 Operator: LIPANI Inst : MS#6

Misc : OLC 2.1 ICAL GCMS#6 MS Integration Params: CPD4.P

Multiplr: 1.00

Quant Time: Aug 18 8:58 2008

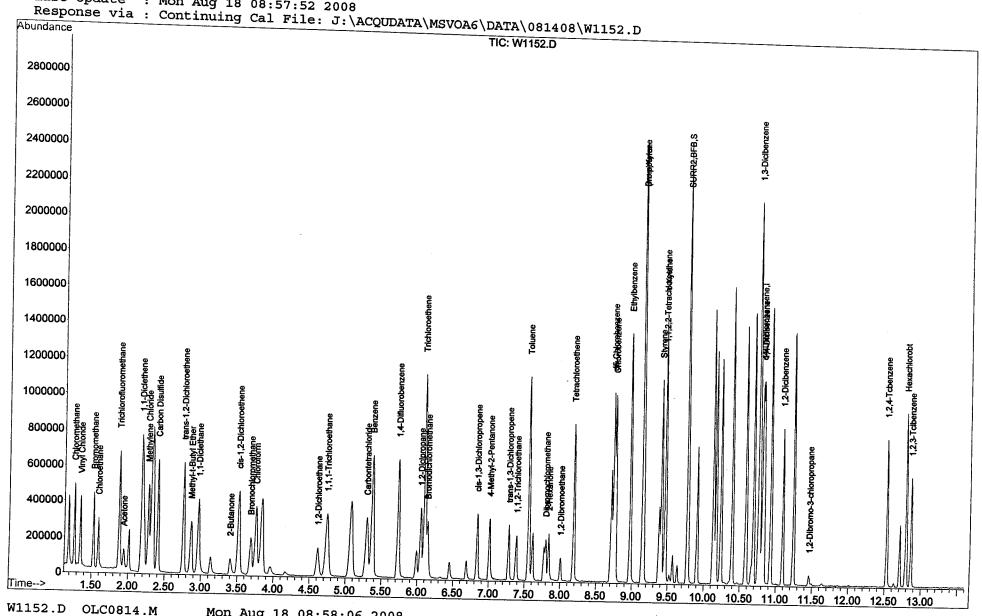
Quant Results File: OLC0814.RES

Method

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

Title : OLC 2.1 WATERS

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



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

Acq On : 14 Aug 2008

5:44 pm

: VSTD010/050 Sample Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 9:04 2008 Quant Results File: OLC0814.RES

Vial: 16

Operator: LIPANI

Inst : MS#6

Multiplr: 1.00

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

Internal Standards	R.T	. QIor	Response	Conc Units De	ev(Min)
1) 1,4-Difluorobenzene	5.73	3 114	E92E00		
20) d5-Chlorobenzene	8.73			5.00 ug/L	0.00
42) d4-Dichlorobenzene	10.81			5.00 ug/L	0.00
	±0.01	. 132	23/041	5.00 ug/L	0.00
System Monitoring Compounds					
19) SURR2, BFB	9.77	7 174	405293	9.61 ug/L	0 00
Spiked Amount 5.000		_,_	Recove	exy = 192.20	0.00
			1,000		6
Target Compounds				C	value
2) Chloromethane	1.26		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-Diclethene	2.18	96	457456	10.94 ug/L	94
8) Acetone	1.94		207737	48.30 ug/L	94
9) Carbon Disulfide	2.40		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		694979	11.66 ug/L	99
13) 1,1-Diclethane	2.96	63	929640	11.22 ug/L	99
14) cis-1,2-Dichloroethene 15) 2-Butanone	3.52	96	499741	11.24 ug/L	94
16) Bromochloromethane	3.40	43	279564	50.37 ug/L	95
17) Chloroform	3.68	128	169096	11.93 ug/L	89
18) 1,2-Dichloroethane	3.75	83	840178	11.44 ug/L	97
21) 1,1,1-Trichloroethane	4.61	62	422807	11.57 ug/L	98
22) Carbontetrachloride	4.74	97	839858	11.06 ug/L	99
23) Benzene	5.29	117	666978	11.29 ug/L	98
24) Trichloroethene	5.37	78	1691638	11.17 ug/L	99
25) 1,2-Diclpropane	6.10	95 63	439574	11.16 ug/L	98
26) Bromodichloromethane	6.04 6.14	63	312481	11.37 ug/L	99
27) cis-1,3-Dichloropropene	6.83	83 75	431467	11.10 ug/L	99
28) 4-Methyl-2-Pentanone	7.00	43	431101	10.95 ug/L	98
29) Toluene	7.56	91	467039 1595925	52.30 ug/L	100
30) trans-1,3-Dichloropropene	7.28	75	333090	10.78 ug/L	100
31) 1,1,2-Trichloroethane	7.38	97	163785	10.99 ug/L 11.19 ug/L	98
32) Tetrachloroethene	8.18	166		10.98 ug/L	98
33) 2-Hexanone	7.83	43		49.11 ug/L	98
34) Dibromochloromethane	7.79	129	236766	10.90 ug/L	99 97
35) 1,2-Dibromoethane		107	165443	11.17 ug/L	
36) Chlorobenzene	8.77	112	994576	10.76 ug/L	98 100
37) Ethylbenzene	8.97	91	1876130	10.96 ug/L	100
38) (m+p)Xylene	9.15	106	1457349	21.97 ug/L	99 99
39) o-Xylene	9.46	106	678368	11.17 ug/L	98
40) Styrene		104	990762	10.95 ug/L	100
41) 1,1,2,2-Tetrachloroethane	_	83	152623	10.83 ug/L	95
43) Bromoform		173	136030	11.41 ug/L	95 99
44) 1,3-Diclbenzene		146	875464	11.11 ug/L	99
45) 1,4-Diclbenzene		146	819014	10.86 ug/L	98
46) 1,2-Diclbenzene		146	667544	10.79 ug/L	98 97

^{(#) =} 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

5:44 pm

Vial: 16 Operator: LIPANI

Acq On : 14 Aug 2008 Sample : VSTD010/050

Inst : MS#6 Multiplr: 1.00

Misc : OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P Quant Time: Aug 18 9:04 2008

Quant Results File: OLC0814.RES

Quant Method : J:\ACQUDATA\M...\OLCO814.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 48) 1,2,4-Tcbenzene 49) Hexachlorobt 50) 1,2,3-Tclbenzene	11.46 12.53 12.79 12.86	75 180 225 180	24032 481655 349436 342798	9.65 ug/L 11.33 ug/L 10.50 ug/L 10.55 ug/L	9 4 99

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1151.D : 14 Aug 2008

5:44 pm

Vial: 16 Operator: LIPANI Inst

Sample : VSTD010/050 Misc : OLC 2.1 ICAL GCMS#6

: MS#6 Multiplr: 1.00

MS Integration Params: CPD4.P Quant Time: Aug 18 9:04 2008

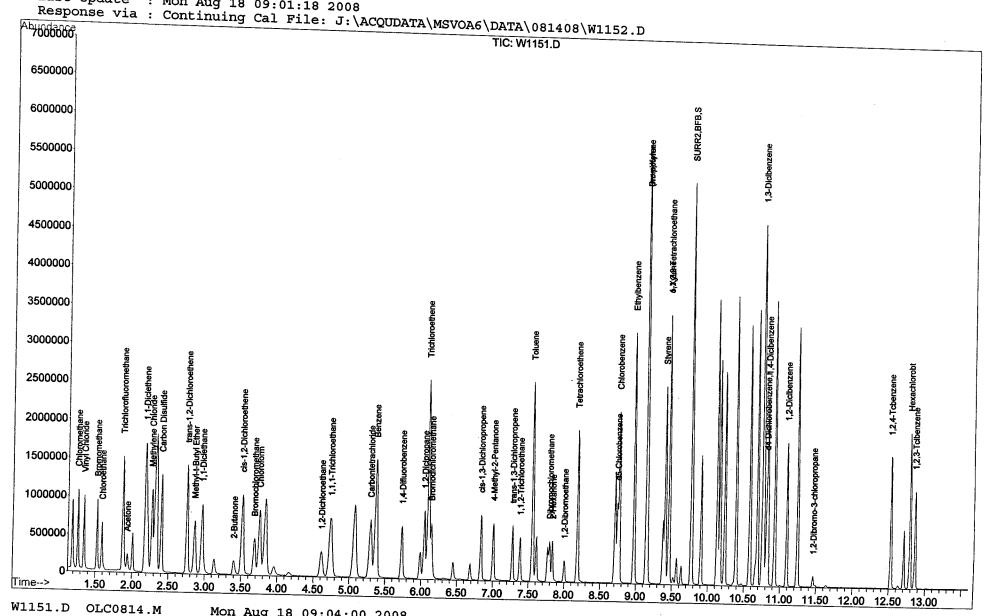
Quant Results File: OLC0814.RES

Method Title

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

: OLC 2.1 WATERS

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



Mon Aug 18 09:04:00 2008

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

: 14 Aug 2008 6:51 pm

: VSTD025/125

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

Misc : OLC 2.1 ICAL GCMS#6 MS Integration Params: CPD4.P

Quant Time: Aug 18 9:05 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 09:04:53 2008

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

DataAcq Meth : OLC0814

Sample

Internal Standards	R.T	. QIor	n Response	Conc Units 1	Dev(Min)
1) 1,4-Difluorobenzene	5.7	3 114	603270	E 00 110/T	0.00
20) d5-Chlorobenzene	8.74			5.00 ug/L 5.00 ug/L	
42) d4-Dichlorobenzene	10.81			5.00 ug/L	0.00
			201/14	3.00 ug/L	0.00
System Monitoring Compounds					
19) SURR2,BFB	9.77	7 174	1109217	25.39 ug/L	0.00
Spiked Amount 5.000			Recove		
					.00
Target Compounds					Qvalue
2) Chloromethane	1.26		1631838	25.14 ug/L	99
Vinyl Chloride	1.35	62	1559943	26.06 ug/L	96
4) Bromomethane	1.52	94		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-Diclethene	2.18	96	1106745	25.55 ug/L	88
8) Acetone	1.94			111.18 ug/L	94
Carbon Disulfide	2.41		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		26.87 ug/L	99
13) 1,1-Diclethane	2.97	63	2250367	26.24 ug/L	99
<pre>14) cis-1,2-Dichloroethene</pre>	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			2508940	28.71 ug/L	100
41) 1,1,2,2-Tetrachloroethane	9.45	83	381826	28.05 ug/L #	97
43) Bromoform		173	352192	27.90 ug/L	99
44) 1,3-Diclbenzene			2243128	26.90 ug/L	99
45) 1,4-Diclbenzene	10.83	146	2061292	25 82 ug/t.	98
46) 1,2-Diclbenzene	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

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

Acq On : 14 Aug 2008 6:51 pm

Vial: 18 Operator: LIPANI

Sample : VSTD025/125 Misc : OLC 2.1 ICAL GCMS#6

Inst : MS#6

MS Integration Params: CPD4.P

Multiplr: 1.00

Quant Time: Aug 18 9:05 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 09:04:53 2008

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

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

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1153.D : 14 Aug 2008

6:51 pm

Vial: 18 Operator: LIPANI Inst : MS#6

Sample : VSTD025/125 Misc : OLC 2.1 ICAL GCMS#6 MS Integration Params: CPD4.P

Multiplr: 1.00

Quant Time: Aug 18 9:05 2008

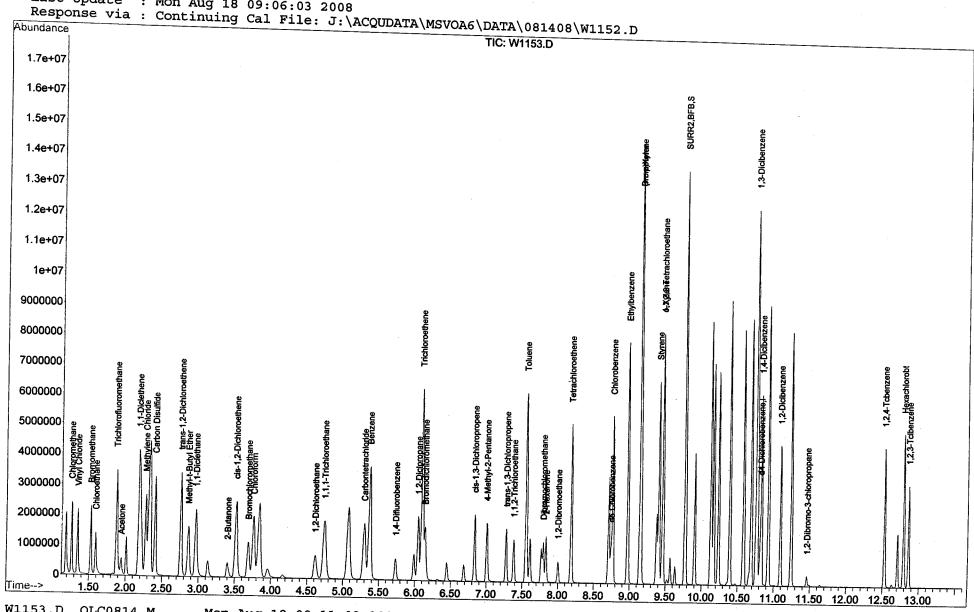
Quant Results File: OLC0814.RES

Method Title

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

: OLC 2.1 WATERS

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

			MIN		MAX
COMPOUND	RRF	RRF5	RRF	% D	% 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)

·			MIN		MAX
COMPOUND	RRF	RRF5	RRF	% D	% 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

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

: 14 Aug 2008 6:19 pm

: VSTD005/025

: OLC 2.1 ICAL GCMS#6

MS Integration Params: CPD4.P

Quant Time: Aug 18 8:58 2008

Quant Results File: OLC0814.RES

Vial: 17

Inst : MS#6

Multiplr: 1.00

Operator: LIPANI

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

Sample

Misc

Internal Standards R.T. QIon Response Conc Units Dev(I	nn)
1) 1,4-Difluorobenzene 5.73 114 578770 5.00 ug/L	
20) d5-Chlorobenzene 8.74 117 471240 5.00 ug/1	0.00
42) d4-Dichlorobenzene	00.0
3.00 ug/li	.00
System Monitoring Compounds	
19) SURR2,BFB 9.77 174 209570 5.00 ug/L (.00
Spiked Amount 5.000 Recovery = 100.00%	.00
Target Compounds Qval	116
2/ Chroromethane 1.26 50 311351 5.00 ye/r	100
3) Vinyl Chloride 1.35 62 287164 5.00 va/t	100
4) Bromomethane 1.52 94 177795 5.00 ug/T.	100
$\frac{1.59}{1.59}$ 64 168005 5 00 $\frac{1.59}{1.59}$	100
0) IIICHIOFOITUOFOMEthane 1.88 101 415299 5 00 107/T	100
7/ 1,1-Dictediene 2.18 96 207776 5 00 10c/r	100
8) Acetone 1.94 43 106816 25 00 ng/t	100
9) Carbon Disulfide 2.41 76 739936 5.00 ng/L	100
10) Methylene Chloride 2.27 84 184246 5 00 17/1	100
11) trans-1,2-Dichloroethene 2.76 96 230145 5.00 ve/7	100
12) Methyl-t-Butyl Ether 2.86 73 295946 5.00 vg/l	100
13) 1,1-Dicietnane 2.96 63 411432 5.00 120/1	100
14) C1S-1, 2-Dichloroethene 3.52 96 220852 5 00 12/1	100
15) 2-Butanone 3.40 43 137840 25 00 12/7	100
16) Bromochioromethane 3.69 128 70396 5.00 ug/T.	100
17) Chloroform 3.76 83 364745 5.00 ug/t.	100
10/ 1/2 DICHIOLOGUNANE 4.61 62 181586 5 00 mm/r	.00
21) 1,1,1-Trichloroethane 4.74 97 369241 5.00 ug/L	.00
22/ Carboncecrachioride 5.29 117 287301 5.00/r	.00
23) Benzene 5.37 78 736824 5.00 m/r	.00
24) Trichloroethene 6.10 95 191525 5.00 ug/T.	.00
25) 1,2-Dicipropane 6.05 63 133741 5.00 ve/t	.00
20) Bromodicinoromethane 6.14 83 189139 F 00/r	00
27) Cls-1,3-Dichloropropene 6.84 75 191501 5.00 vg/7	00
28) 4-Methyl-2-Pentanone 7.01 43 217209 25 00 27/2	00
$\frac{23}{101}$ 101uelle $\frac{7.56}{101}$ 91 $\frac{7.56}{101}$ 500 $\frac{1.5}{101}$	00
30) trans-1,3-Dichloropropene 7.28 75 147489 5.00/-	00
31) 1,1,2-Trichloroethane 7.39 97 71171 5.00 vg/7	00
32) Tetrachloroethene 8.19 166 234355 5 00 um/r	00
33) 2-Hexanone 7.84 43 152983 25 00 100/T	00
$\frac{34}{2}$ Didicinochiochiologie $\frac{7.79}{129}$ $\frac{105641}{1000}$ $\frac{1000}{1000}$	00
8.00 107 72073 = 0.00 107	00
36) Chlorobenzene 8.77 112 449782 5.00 vg/L	00
37) Ethylbenzene 8.97 91 832352 5.00 yg/L	
38) (m+p) Xylene 9.15 106 645261 10.00 ug/l	00
39) O-Xylene 9.46 106 295534 5 00 00/1	00
40) Styrene 9.40 104 439986 5.00 ug/L	00
41) 1,1,2,2-Tetrachloroethane 9.45 83 68534 5.00 ug/L	00
43) Bromoform 9.14 173 58953 5.00 ug/L	00
44) 1,3-Diclbenzene 10.77 146 389459 5 00 1971	
45) 1,4-Diclbenzene 10.83 146 372923 5.00 ug/L	
AC) 1 0 D4 - 1	
46) 1,2-Dicibenzene 11.09 146 305672 5.00 ug/L 10	U

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



THE MENTEREN

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D Acq On : 14 Aug 2008

6:19 pm

Vial: 17 Operator: LIPANI

Sample : VSTD005/025 Misc : OLC 2.1 ICAL GCMS#6

Inst : MS#6

MS Integration Params: CPD4.P

Multiplr: 1.00

Quant Time: Aug 18 8:58 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 08:57:52 2008

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

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

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1152.D : 14 Aug 2008 6:19 pm Sample : VSTD005/025

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

MS Integration Params: CPD4.P Quant Time: Aug 18 8:58 2008

Quant Results File: OLC0814.RES

Method

Misc

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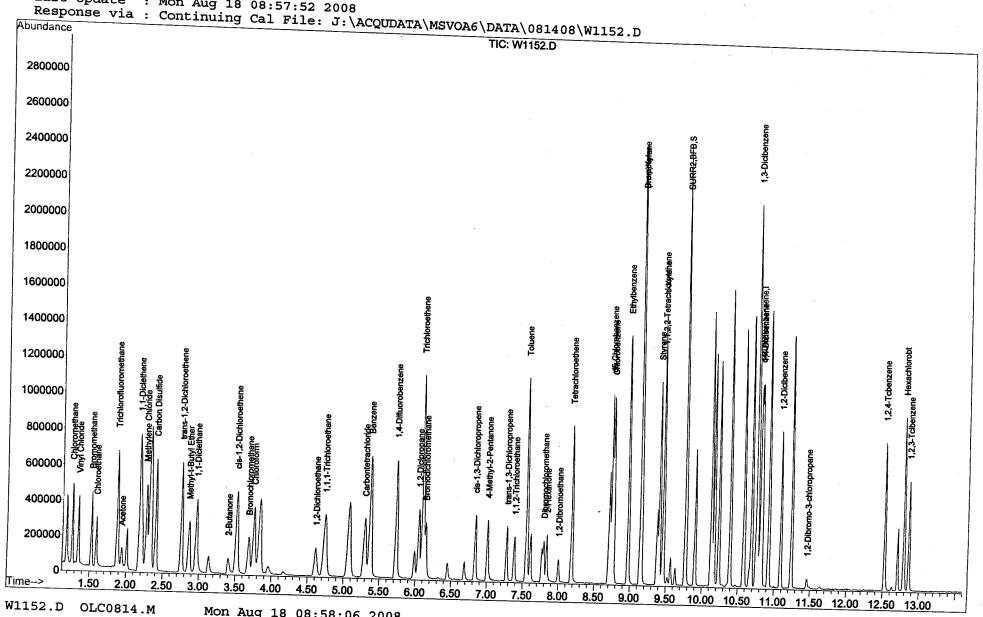
Ø

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

: OLC 2.1 WATERS

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

: OLC 2.1 ICAL GCMS#6



VOLATILE ORGANICS RAW QC DATA

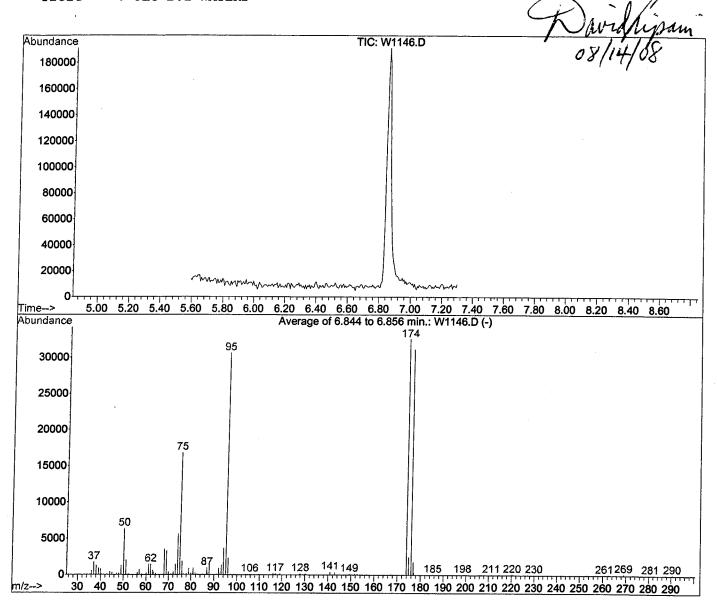
Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1146.D

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

: J:\ACQUDATA\MSVOA6\METHODS\OLCO814.M (RTE Integrator)

Title : OLC 2.1 WATERS



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

Target Mass	Rel. to	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

	\sim			110
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EPA	\mathbf{u}	MVII" L	_	110

	VBLK
ı	

Lab Name:	CAS/RC	OCH		Contract: II Lathan	n	
Lab Code:	10145	Cas	se No.: <u>R8-45271</u>	SAS No.:	SDG No.: Influent	***
Matrix: (soil/v	water)	WATER	-	Lab Sample I	D: 1129969 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	W1157.D	
Level: (low/n	ned)	LOW	-	Date Receive	d:	
% Moisture: ı	not dec.			Date Analyze	d: <u>8/14/08</u>	
GC Column:	DB-VF	<u>RX</u> ID: <u>0.1</u>	8 (mm)	Dilution Facto	or: 1.0	
Soil Extract V	/olume:		_ (uL)	Soil Aliquot V	olume:	(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		11	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	Ü
541-73-1	1,3-Dichlorobenzene		1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK

Lab Name:	CAS/RC	OCH		Contract:	IT Latham		 	J
Lab Code:	10145	Cas	se No.: <u>R8-45</u>	271 SAS No	o.: S	DG No.: Infl	luent	
Matrix: (soil/v	vater)	WATER		La	b Sample ID:	1129969 1.0)	
Sample wt/vo	ol:	25.0	(g/ml) ML	La	b File ID:	W1157.D		
Level: (low/n	ned)	LOW	_	Da	te Received:			
% Moisture: ı	not dec.			Da	ite Analyzed:	8/14/08		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.1</u>	18_ (mm)	Dil	ution Factor:	1.0		
Soil Extract V	/olume:	,	_ (uL)	So	il Aliquot Volu	ıme:	(ul	_)
			C	CONCENTRAT	TION UNITS:			
CAS NO).	COMPO	OUND (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	Ų

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

		1 [141/7	veel ibeivii	i ied oom o	3.100			DI.	
Lab Name:	CAS/RO	ОСН		Contract:	IT Lath	am	V	BLK	
Lab Code:	10145	с	ase No.: <u>R8-45</u>	5271 SAS No	o.:	si	OG No.:	Influent	
Matrix: (soil/v	water)	WATER		La	b Sampl	e ID:	1129969	1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	La	b File ID	:	W1157.D)	
Level: (low/r	ned)	LOW		Da	te Rece	ived:			•
% Moisture:	not dec.			Da	ite Analy	zed:	8/14/08		
GC Column:	DB-VF	X ID: 0).18 (mm)	Dil	ution Fa	ctor:	1.0		
Soil Extract \	/olume:		(uL)	So	il Aliquo	t Volur	me:		(uL)
Number TICs	s found:	0		CONCENTRA (ug/L or ug/Kg)					
CAS NO.		СОМРО	UND NAME		RT	ES	T. CONC		Q

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

9:00 pm

Operator: LIPANI

: 14 Aug 2008 : VBLK : VBLK

Inst : MS#6 Multiplr: 1.00

Vial: 20

Misc : VBLK 1129967 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

Sample

Internal Standards	R.T.	QIon	Response C	Conc Units Dev(Min)
1) 1,4-Difluorobenzene 20) d5-Chlorobenzene 42) d4-Dichlorobenzene	5.73 8.74 10.81	114 117 152	608870 501668 233714	5.00 ug/L	0.00 0.00 0.00
System Monitoring Compounds 19) SURR2,BFB Spiked Amount 5.000	9.77	174	215898 Recovery	-	0.00
Target Compounds 8) Acetone	1.95	43	9979	Qva 2.22 ug/L	lue 92 J

^{(#) =} qualifier out of range (m) = manual integration W1157.D OLC0814.M Mon Aug 18 09:14:08 2008

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1157.D Acq On : 14 Aug 2008 9:00 pm

Vial: 20 Operator: LIPANI

Sample : VBLK Misc : VBLK

Method

Inst : MS#6 Multiplr: 1.00

MS Integration Params: CPD4.P

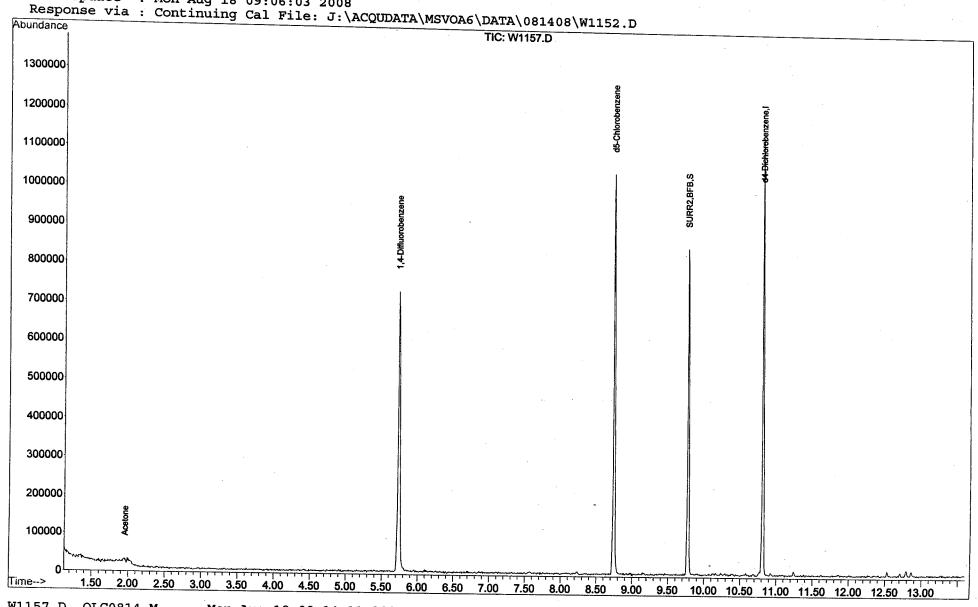
Quant Results File: OLC0814.RES

Quant Time: Aug 18 9:14 2008

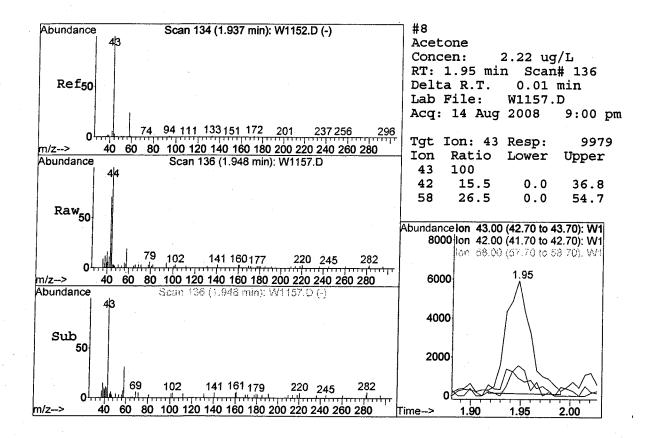
: J:\ACQUDATA\MSVOA6\METHODS\OLC0814.M (RTE Integrator)

Title : OLC 2.1 WATERS

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



hydfi.



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 Misc : VBLK Inst : MS#6 Multiplr: 1.00

MS Integration Params: LSCINT.P

: J:\ACQUDATA\MSVOA6\METHODS\OLCO814.M (RTE Integrator) Method Method : J:\ACQUDATA\MS'
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

pea #	k R.T. min	first scan	max scan	last scan		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		1664			12183	16381	1.11%	0.299%
7	12.530		1876			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

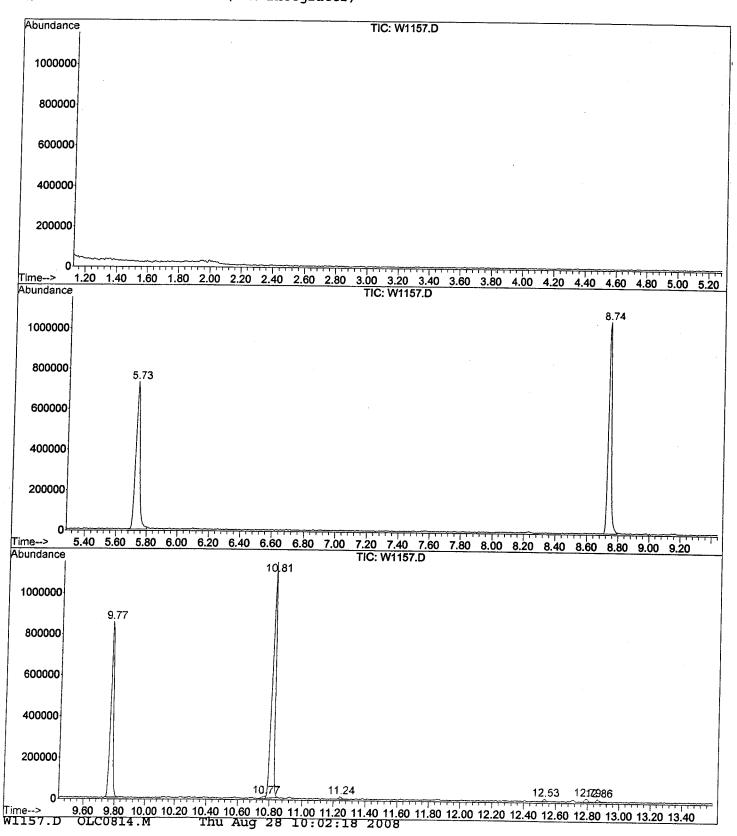
File : J:\ACQUDATA\MSVOA6\DATA\081408\W1157.D

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\OLCO814.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

W1157.D OLC0814.M Thu Aug 28 10:02:18 2008

Lab Name:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS CAS/ROCH Contract: IT Latham

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

WATER Matrix: (soil/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: 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	w
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EP/			_		-
-	Δ	Δ N/I	\sim	$ \sim$	3C I
	\neg	-VIVI		_ '	\cdot

									LCS	
_ab Name:	CAS/RC	OCH			Contract:	IT La	tham	_		
_ab Code:	10145	Cas	se No.: <u>R8-</u> 4	45271	SAS No	o.:	SI	DG No.:	Influent	
Matrix: (soil/\	water)	WATER	_		Lai	b Sam	ple ID:	1129970	1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML		Lal	b File I	D:	W1155.I	<u>D</u>	
_evel: (low/r	med)	LOW	_		Da	te Rec	eived:			
% Moisture:	not dec.				Da	te Ana	lyzed:	8/14/08		
GC Column:	DB-VF	X ID: 0.1	8 (mm)		Dile	ution F	actor:	1.0		
Soil Extract \	/olume:		_ (uL)		So	il Aliqu	ot Volu	me:		(uL)
				CON	ICENTRAT	TION L	JNITS:			
CAS NO).	COMPO	DUND	(ug/L	. or ug/Kg)	<u>L</u>	JG/L		Q	
106-46	3-7	1,4-Die	chlorobenze	ne				5		
95-50-	.1		chlorobenze					5		
96-12-	8		oromo-3-chlo		pane			4		
120-82			richloroben:					5		

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3 87-61-6 Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1155.D

Vial: 19 Acq On : 14 Aug 2008 7:52 pm Operator: LIPANI : ICV/LCS 1129970 Sample Inst : MS#6 : OLC 2.1 Multiplr: 1.00 Misc

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)

: 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

Internal Standards	₽.Ψ.	OTon	Response	Conc. U	nits	Dev(Min)	
							•
 1,4-Difluorobenzene 	5.73		605296		ug/L		
20) d5-Chlorobenzene	8.74		485757		ug/L		
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			Recove		_		
Target Compounds						Qvalue	
2) Chloromethane	1.26	50	321591	4.94	ug/L		
3) Vinyl Chloride	1.35		289861		ug/L		
4) Bromomethane	1.52		207330		ug/L		
5) Chloroethane	1.59		166428	4.74			
6) Trichlorofluoromethane	1.88		427576	4.92			
7) 1,1-Diclethene	2.18	101	215884	4.97			
8) Acetone	1.94		111273	24.90			
9) Carbon Disulfide	2.41	76				100	- 111/11/10
			3628348 187934	4.88		100	-set up a 25 ppb
						91	25 1000
11) trans-1,2-Dichloroethene			228380	4.74			- //
12) Methyl-t-Butyl Ether	2.86		317538	5.13 4.90			
13) 1,1-Diclethane	2.97		421611				
14) cis-1,2-Dichloroethene	3.53	96	234308 144093	5.07			
15) 2-Butanone	3.40		144093	24.99			
16) Bromochloromethane	3.69		77465	5.26		93	
17) Chloroform	3.76		414990	5.44			
18) 1,2-Dichloroethane	4.62	62	414990 197295 390933	5.19			
21) 1,1,1-Trichloroethane	4.75	97					
22) Carbontetrachloride	5.29	117	296622	5.01		97	•
23) Benzene	5.37	78	772341	5.08		98	
24) Trichloroethene	6.10	95	21U451	5.33		99	
25) 1,2-Diclpropane	6.04	63	146465			98	
26) Bromodichloromethane	6.14	83	201157	5.16		100	
27) cis-1,3-Dichloropropene	6.84	75	212752 237899	5.39		98	
28) 4-Methyl-2-Pentanone	7.01	43	237899	26.56			
29) Toluene	7.56	91	701534	5.13			
30) trans-1,3-Dichloropropene			150868	4.96		97	
31) 1,1,2-Trichloroethane	7.39	97	76344	5.20		98	
32) Tetrachloroethene	8.18	166	254664	5.27		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		99	,
37) Ethylbenzene	8.97	91	902518	5.26		98	•
38) (m+p) Xylene	9.15	106	703932	10.58		98	
39) o-Xylene	9.46	106	322624	5.30		96	
40) Styrene	9.41	104	471749	5.20		96	
41) 1,1,2,2-Tetrachloroethane		83	71199	5.04		97	
43) Bromoform	9.15		64134			99	
44) 1,3-Diclbenzene		146				99	
45) 1,4-Diclbenzene			395395	5.10			
46) 1,2-Diclbenzene	11 00	146	395395 319767	5.03		97	
46) 1,2-Dicipenzene		T#0	313/0/	5.03		99	

^{(#) =} qualifier out of range (m) = manual integration W1155.D OLC0814.M Mon Aug 18 09:13:47 2008

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Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1155.D Vial: 19

Acq On : 14 Aug 2008 7:52 pm Operator: LIPANI Sample : ICV/LCS Misc : OLC 2.1 Inst : MS#6 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

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
48) 49)	1,2-Dibromo-3-chloropropan 1,2,4-Tcbenzene Hexachlorobt 1,2,3-Tclbenzene	11.46 12.53 12.79 12.86	180	11494 223742 154014 169512	4.49 ug/L 5.12 ug/L 4.51 ug/L 5.07 ug/L	91 95 98 97

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1155.D Acq On : 14 Aug 2008 7:52 pm

Vial: 19

Sample : ICV/LCS Misc : OLC 2.1 Operator: LIPANI Inst : MS#6 Multiplr: 1.00

MS Integration Params: CPD4.P Quant Time: Aug 18 9:14 2008

Quant Results File: OLC0814.RES

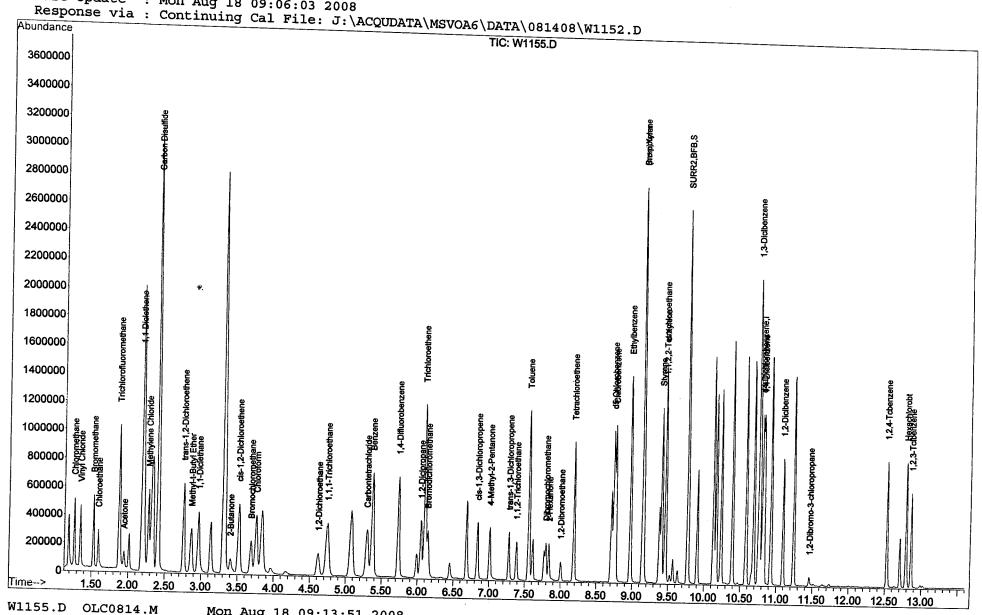
Method

S 5

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

Title : OLC 2.1 WATERS

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



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

Lab Name:	CAS/RC	OCH		Contract:	IT Latham		
Lab Code:	10145		Case No.: R8-452	71 SAS No	.: s	DG No.: Influent	t
Matrix: (soil/v	vater)	WATE	R	Lat	Sample ID:	1129971 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	W1161.D	
Level: (low/n	ned)	LOW		Dat	te Received:	8/8/08	
% Moisture: r	not dec.			Dat	te Analyzed:	8/14/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (mm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soi	l Aliquot Volu	me:	(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	Е
71-43-2	Benzene	5	
79-01-6	Trichloroethene	60	Ε
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

EPA SAMPLE NO.

INFLUENTMS

5

4

5

_ab Name:	CAS/RC	CH			Contract:	IT Latham	<u> </u>		
_ab Code:	10145	Ca	se No.: ၂	R8-45271	SAS No	o.:	SDG No.	.: Influer	ıt
Matrix: (soil/v	vater)	WATER	_		Lal	b Sample II	D: <u>11299</u>	71 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	W116	1.D	
_evel: (low/n	ned)	LOW	_		Da	te Receive	d: <u>8/8/08</u>		
% Moisture: ı	not dec.		· .		Da	te Analyze	d: <u>8/14/0</u>	8	_
GC Column:	DB-VF	X ID: 0.1	18 (m	m)	Dile	ution Facto	r: <u>1.0</u>		_
Soil Extract V	/olume:		_ (u L)		So	il Aliquot Vo	olume:		_ (uL)
				CON	ICENTRAT	TION UNITS	S:		
CAS NO).	COMPO	DUND	(ug/l	or ug/Kg)	UG/L	<u> </u>	Q	
106-46	6-7	1,4-Di	chlorobe	nzene			5		
95-50-	1	1,2-Di	chlorobe	nzene			5		
96-12-	8	1,2-Di	bromo-3	-chloropro	pane		5		

1,2,4-Trichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

120-82-1 87-68-3

87-61-6

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1161.D Vial: 24 Acq On : 14 Aug 2008 11:22 pm Operator: LIPANI : 1124913 1.0 MS Inst : MS#6 Sample : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00 Misc

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

			_			(2.4)	
Internal Standards	R.T.	QIon	Response	Conc U	nits D 	ev(Min)	
1) 1,4-Difluorobenzene	5.73	114	604759	5.00	ug/L	0.00	
20) d5-Chlorobenzene	8.74		491691		ug/L	0.00	
42) d4-Dichlorobenzene	10.81		252568		ug/L	0.00	•
System Monitoring Compounds		1 11 4	005505	- 1-	/-	0 00	
19) SURR2, BFB	9.77	174	225585		ug/L	0.00	
Spiked Amount 5.000			Recove:	ry =	103.0	08	
Target Compounds						Qvalue	
2) Chloromethane	1.26	50	317474	4.88	ug/L	96	
3) Vinyl Chloride	1.34	62	310469		ug/L	94	
4) Bromomethane	1.53	94	168786		ug/L	95	
5) Chloroethane	1.59	64	169428		ug/L	87	
6) Trichlorofluoromethane	1.88	101	440110		ug/L	98	
7) 1,1-Diclethene	2.18	96	218670		ug/L	94	
8) Acetone	$\frac{2.10}{1.94}$		4055		ug/L	63	
10) Methylene Chloride	2.27	84	195333		ug/L	92	
11) trans-1,2-Dichloroethene	2.76	96	241531		ug/L	95	
12) Methyl-t-Butyl Ether	2.87	73	334190		ug/L		
13) 1,1-Diclethane	2.96	63	436391		ug/L	π 99	
14) cis-1,2-Dichloroethene	3.52	96			ug/L	97	
16) Bromochloromethane	3.68	128	81681		ug/L	92	
	3.76			10.72		92	
17) Chloroform		83	816987				
18) 1,2-Dichloroethane	4.61	62 07	197388 406063		ug/L ug/L	100	
21) 1,1,1-Trichloroethane	4.74	97				97 95	닫
22) Carbontetrachloride	5.30	117	2562892	42.75			<u>-</u>
23) Benzene	5.37	78 05	812268		ug/L	97 99	-
24) Trichloroethene	6.10	95 63	2389007	59.77			<u></u>
25) 1,2-Diclpropane	6.04	63	148187		ug/L		5.48m
26) Bromodichloromethane	6.14	83	238989		ug/b		2.700
27) cis-1,3-Dichloropropene	6.83	75	202477		ug/L	97	
29) Toluene	7.55	91	770585		ug/L	100	
30) trans-1,3-Dichloropropene	7.28	75	153786		ug/L	96	
31) 1,1,2-Trichloroethane	7.38	97	77901		ug/L	95	
32) Tetrachloroethene	8.18	166	255133		ug/L	97	
34) Dibromochloromethane	7.79	129	122410		ug/L	100	
35) 1,2-Dibromoethane	8.00	107	77444		ug/L	98	
36) Chlorobenzene	8.76	112	494831		ug/L	98	
37) Ethylbenzene	8.97	91	912093		ug/L	99	
38) (m+p)Xylene	9.15	106	710054	10.55		97	
39) o-Xylene	9.46	106	319782		ug/L	98	
40) Styrene	9.41	104	470866		ug/L	99	
41) 1,1,2,2-Tetrachloroethane	9.45	83	80553		ug/L	99	
43) Bromoform	9.15	173	72541		ug/L	98	
44) 1,3-Diclbenzene	10.77	146	420806		ug/L	99	
45) 1,4-Diclbenzene	10.83	146	405174		ug/L	98	
46) 1,2-Diclbenzene	11.09	146	319174		ug/L	96	
47) 1,2-Dibromo-3-chloropropan	11.46	75	12785	4.83	ug/L	89	
48) 1,2,4-Tcbenzene	12.53	180	231999	5.14	ug/L	94	
49) Hexachlorobt	12.79	225	143321		ug/L	96	
50) 1,2,3-Tclbenzene	12.86	180	164658		ug/L	98	

^{(#) =} qualifier out of range (m) = manual integration W1161.D OLC0814.M Mon Aug 18 09:14:48 2008

: 14 Aug 2008 11:22 pm

Vial: 24 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: OLC0814.RES

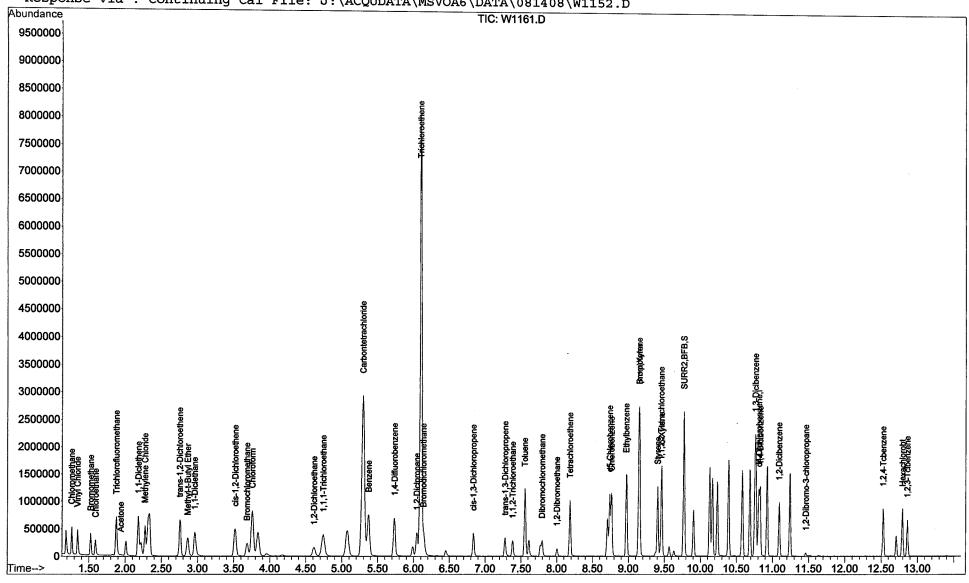
Method

: 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 : 14 Aug 2008 11:22 pm

: 1124913 1.0 MS

Operator: LIPANI

Sample

: MS#6 Inst

Quant Results File: temp.res

Misc

Method

: IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

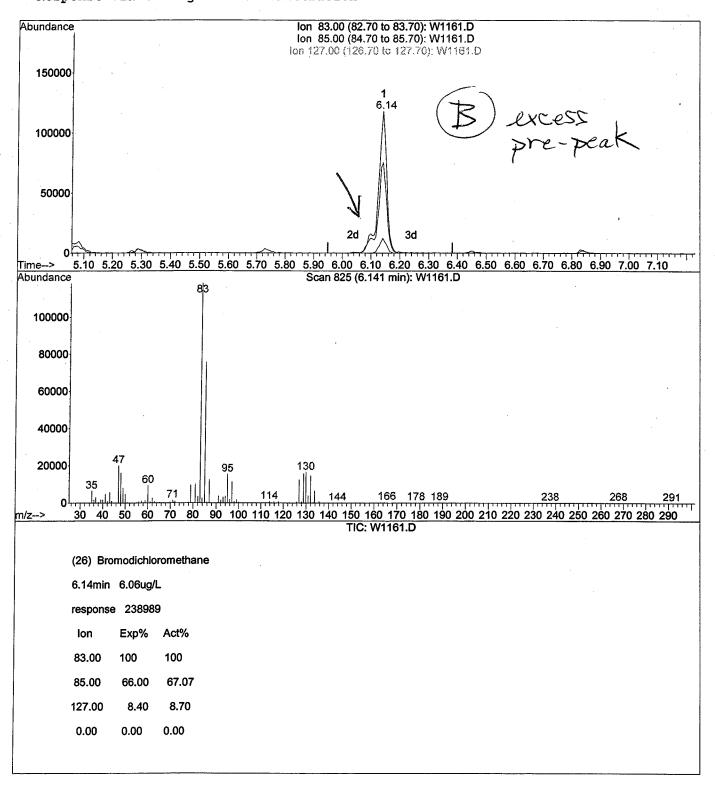
MS Integration Params: CPD4.P

Quant Time: Aug 18 9:15 2008

: 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



Quantitation Report (Qedit)

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

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1161.D

Vial: 24 : 14 Aug 2008 11:22 pm Acq On

Sample : 1124913 1.0 MS Operator: LIPANI Inst

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

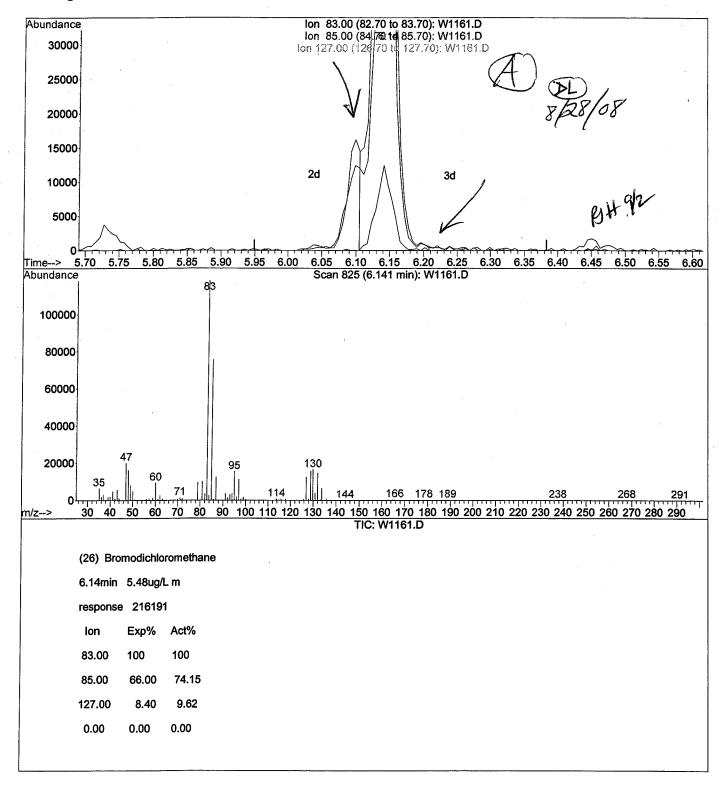
: MS#6 Multiplr: 1.00

MS Integration Params: CPD4.P

Quant Time: Aug 28 10:58 2008 Quant Results File: temp.res

Method

Title : OLC 2.1 WATERS Last Update : Mon Aug 18 09:06:03 2008 Response via : Single Level Calibration



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name:	CAS/RC	CH			Contract:	IT Latham		
Lab Code:	10145		Case No.:	R8-45271	SAS No.	.:S	DG No.: Influent	
Matrix: (soil/w	vater)	WATER	₹		Lab	Sample ID:	1129972 1.0	·
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W1162.D	
Level: (low/m	ned)	LOW	- • • • • • • • • • • • • • • • • • • •		Dat	e Received:	8/8/08	
% Moisture: r	not dec.				Dat	e Analyzed:	8/14/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:	(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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RO	ОСН			Contract:	IT Latham	INFL	.UENTM	SD
Lab Code:	10145	Ca	se No.:	R8-45271	SAS No	o.: S	DG No.:	Influent	
Matrix: (soil/	water)	WATER	_		Lai	Sample ID:	112997	2 1.0	
Sample wt/ve	ol:	25.0	(g/ml)	ML	Lal	File ID:	W1162.	D	
Level: (low/r	ned)	LOW			Da	te Received:	8/8/08		
% Moisture:	not dec.				Da	te Analyzed:	8/14/08		
GC Column:	DB-VF	RX_ ID: 0.1	18 (m	m)	Dile	ution Factor:	1.0		
Soil Extract \	/olume:		_ (uL)		Soi	l Aliquot Volu	ıme:		(uL)
				CON	NCENTRAT	ION UNITS:			
CAS NO).	COMPO	DUND	(ug/l	L or ug/Kg)	UG/L		Q	
106-46	6-7	1,4-Di	chlorobe	enzene			5		
95-50-	1	1,2-Di	chlorobe	nzene			5		
96-12-	8	1,2-Di	bromo-3	-chloropro	opane		4		
120-82	2-1			benzene			5		
87-68-	3	Hexac	hlorobut	adiene			4		

1,2,3-Trichlorobenzene

87-61-6

Vial: 25 Operator: LIPANI

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1162.D
Acq On : 14 Aug 2008 11:58 pm

: 1124913 1.0 MSD

Inst : MS#6 Multiplr: 1.00

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

MS Integration Params: CPD4.P

Quant Results File: OLC0814.RES Quant Time: Aug 18 9:15 2008

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

1) 1,4-Difluorobenzene	Internal Standards	R.T.	QIon	Response	Conc U	nits D	ev(Min)	
20 dS-Chlorobenzene	1) 1 4-Difluorobenzene	5.73	114	610568	5.00	ug/L	0.00	
System Monitoring Compounds 19.80 152 255808 5.00 ug/L 0.00				497567			0.00	
19 SURRZ, BFB 9.77 174 230540 5.21 \ \text{ug/L} 0.00								
19 SURRZ, BFB 9.77 174 230540 5.21 \ \text{ug/L} 0.00	gartan Maritaning Compounds							-
Target Compounds 2) Chloromethane 3) Vinyl Chloride 1.35 62 311798 5.15 ug/L 93 4) Bromomethane 1.59 64 179847 5.07 ug/L 97 6) Trichlorofluoromethane 1.59 64 179847 5.07 ug/L 97 6) Trichlorofluoromethane 1.88 101 447135 5.10 ug/L 98 7) 1,1-Diclethene 1.95 43 4255 0.94 ug/L 99 10) Methylene Chloride 1.95 43 4255 0.94 ug/L 99 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-Diclethane 3.69 128 84991 5.72 ug/L 89 14) cis-1,2-Dichloroethene 3.51 96 242384 5.20 ug/L 98 14) cis-1,2-Dichloroethane 3.69 128 84991 5.72 ug/L 88 17) Chloroform 3.76 83 821647 10.68 ug/L 92 11) 1,1-Trichloroethane 4.61 62 196628 5.13 ug/L 94 11) 1,1-Trichloroethane 4.61 62 196628 5.13 ug/L 94 11) 1,1-Trichloroethane 4.74 97 411494 5.28 ug/L 98 12) Benzene 5.37 78 823713 5.29 ug/L 96 12) Trichloroethene 6.10 95 2417069 55.76 ug/L 99 12) Trichloromethane 6.14 83 239725 42.50 ug/L 95 12) Bromodichloromethane 6.14 83 239725 5.16 ug/L 99 12) Trichloroethene 7.56 91 795281 5.23 ug/L 99 12) Toluene 7.56 91 795281 5.23 ug/L 99 12) Toluene 7.56 91 795281 5.23 ug/L 99 13) 1,1.2-Trichloroethane 7.38 97 87488 5.82 ug/L 99 13) 1,1.2-Trichloromethane 8.00 107 79251 5.21 ug/L 99 13) 1,2-Dibromoethane 8.00 107 79251 5.21 ug/L 99 13) 1,2-Tetrachloroethane 8.00 107 79251 5.21 ug/L 99 13) 1,2-Tetrachloroethane 8.00 107 79251 5.21 ug/L 99 13) 1,2-Tetrachloroethane 9.46 106 335052 5.37 ug/L 99 13) 1,1-2-Tetrachloroethane 9.47 01 475639 5.12 ug/L 99 13) 1,2-Dibromoethane 9.46 106 335052 5.37 ug/L 99 14) 1,1,2-Tetrachloroethane 9.47 01 432394 5.10 ug/L 99 14) 1,1,2-Tetrachloroethane 9.48 10 475639 5.10 ug/L 99 14) 1,1,2-Tetrachloroethane 9.49 14 173 9007 5.53 ug/L 99 14) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 99 14) 1,2-Dichloromoethane 10.77 146 432394 5.10 ug/L 98 14) 1,2-Dichloropropan 11.46 75 11674 4.36 ug/L 99 140 1,2-Tebrache 10		9 77	174	230540	5 21	110/T	0.00	
Target Compounds 2) Chloromethane 1, 26 50 321048 4.89 ug/L 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 98 6) Trichlorofluoromethane 1, 88 101 447135 5.10 ug/L 98 7) 1,1-Diclethene 2, 18 96 224756 5.13 ug/L 98 7) 1,1-Diclethene 1, 95 42 4255 0, 94 ug/L 98 7) 1,1-Diclethene 2, 18 96 224756 5.13 ug/L 98 10 Methylene Chloride 2, 27 84 200735 5.16 ug/L 98 11) trans-1,2-Dichloroethene 2, 76 96 248511 5.12 ug/L 98 12 227 84 200735 5.16 ug/L 98 13) 1,1-Diclethane 2, 97 63 454914 5.24 ug/L 98 13) 1,1-Diclethane 3, 69 128 84991 5.72 ug/L 88 14) cis-1,2-Dichloroethene 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 11) 1,1,1-Trichloroethane 4, 61 62 196628 5.13 ug/L 94 12) 1,1,1-Trichloroethane 4, 74 97 411494 5.28 ug/L 96 13) Benzene 5, 37 78 823713 5.28 ug/L 96 14) Trichloroethene 6, 10 95 2417069 59.76 ug/L 99 15) 1,2-Diclpropane 6, 05 63 154216 5.46 ug/L 99 20) Toluene 7, 56 91 795281 5.23 ug/L 99 21) Toluene 7, 56 91 795281 5.23 ug/L 99 21) Toluene 7, 56 91 795281 5.23 ug/L 99 21) Toluene 8, 18 166 629580 5.25 ug/L 99 21) Toluene 8, 18 166 629580 5.25 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 129433 5.80 ug/L 99 21) Toluene 8, 79 1 299 2433 5.80 ug/L 99 21) Toluene 8, 79 1 299 2433 5.80 ug/L 99 21) Toluene 8, 79 1 299 2434 5.25 ug/L 99 21) Toluene 8, 79 1 299 2434 5.25 ug/L 99 21) Toluene 8, 79 1 299 2434 5.25 ug/L 99 21) Toluene 8, 70 1 29 24348 5.20 ug/L 99 21) Toluene 8, 70 1 29 24348 5.20 ug/L 99 21) Toluene 8, 70 1 29 24348 5.20 ug/L 99 21) Toluene 8, 70 1 29 24348 5.20 ug/L 99 21) Toluene 8, 70 1 29 24348 5.20		9.11	1/4					
2) Chloromethane 2) Chloromethane 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 98 7) 1,1-Diclethene 2.18 96 224756 5.13 ug/L 98 7) 1,1-Diclethene 1.95 42 4255 0.94 ug/L 98 10) Methylene Chloride 2.27 84 200735 5.16 ug/L 98 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-Diclethane 2.97 63 454914 5.20 ug/L 98 13) 1,1-Diclethane 3.69 128 84991 5.72 ug/L 89 14) cis-1,2-Dichloroethane 3.69 128 84991 5.72 ug/L 89 16) Bromochloromethane 3.69 128 84991 5.72 ug/L 89 17) Chloroform 3.76 83 821647 10.68 ug/L 92 18) 1,2-Dichloroethane 4.61 62 196628 5.13 ug/L 94 11) 1,1-Trichloroethane 4.61 62 196628 5.13 ug/L 96 12) Carbontetrachloride 5.29 117 2578675 42.50 ug/L 97 18) 1,2-Dichloroethene 6.10 95 2417069 59.76 ug/L 98 19) 1,2-Dichloromethane 6.10 95 2417069 59.76 ug/L 99 E 10) I,2-Dichloromethane 6.10 95 2417069 59.76 ug/L 99 E 10) I,2-Dichloroethane 7.58 77 88 823713 5.29 ug/L 99 20) Toluene 21) 1,1,2-Trichloroethane 22) 1,2-Dichloroethene 3.69 1795281 5.23 ug/L 99 20) Toluene 3.76 83 75 207228 5.12 ug/L 99 21) 1,1-Trichloroethane 4.61 62 199628 5.46 ug/L 99 25) 1,2-Dichloromethane 6.10 95 2417069 59.76 ug/L 99 E 25) 1,2-Dichloromethane 6.14 83 239725 6.00 ug/L 99 20) Toluene 3.75 89 78 823713 5.29 ug/L 99 30) trans-1,3-Dichloropropene 7.28 75 157109 5.04 ug/L 99 31) 1,1,2-Trichloroethane 7.38 97 87488 5.82 ug/L 99 31) 1,1,2-Trichloroethane 8.18 166 259580 5.25 ug/L 99 31) 1,1,2-Trichloroethane 8.76 112 501841 5.28 ug/L 99 31) 1,2-Dibromoethane 8.79 91 928786 5.28 ug/L 99 31) 1,1,2-Dibromoethane 8.79 91 928786 5.28 ug/L 99 31) 1,1,2-Dichloromethane 8.70 91 928786 5.28 ug/L 99 31) 1,1,2-Tetrachloroethane 8.76 112 501841 5.28 ug/L 99 31) 1,1,2-Tetrachloroethane 8.76 112 501841 5.28 ug/L 99 31) 1,1,2-Tetrachloroethane 9.45 83 77388 5.82 ug/L 99 31) 1,1,2-Tetrachloroethane 9.46 106 335052 5.37 ug/L 99 41) 1,1,2-Tetrachloroethane 9.47 108 476639 5.12 ug/L 99 41) 1,3-Dichl	Spiked Amount 5.000			RCCOVC	- y -	101.2		
3 Vinyl Chloride	Target Compounds					-		
Bromomethane		1.26	50					
Scholoroethane	3) Vinyl Chloride							
Trichlorofluoromethane								•
7) 1,1-Diclethene								
-8) Acetone 11-95 43 4255 0.94 ug/L 78 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-Diclethane 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 95 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 25) 1,2-Diclpropane 6.05 63 154216 5.46 ug/L 99 26) Bromodichloromethane 6.14 83 239725 6.00 ug/L 99 27) cis-1,3-Dichloropropene 7.28 75 157109 5.04 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 8.18 166 259580 5.25 ug/L 97 32) Tetrachloroethene 8.18 166 259580 5.25 ug/L 97 33) 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 8.76 112 501841 5.28 ug/L 99 38) o-Xylene 9.45 106 715111 10.50 ug/L 97 40) Styrene 9.41 104 475639 5.12 ug/L 99 41) 1,1,2-Tetrachloroethane 9.45 83 77388 5.35 ug/L 99 44) 1,3-Diclbenzene 10.83 146 416649 5.13 ug/L 98 45) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 46) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 48) Hexachlorobt 12.79 225 151616 4.24 ug/L 99 50) 1,2-3-Tetrabloroethene 12.53 180 245415 5.37 ug/L 99 50) 1,2-3-Tetrabloroethene 12.53 180 245415 5.37 ug/L 99 50) 1,2-2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 50) 1,2-2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 50) 1,2-3-Tetrabloroethene 12.53 180 245415 5.37 ug/L 99 50) 1,2-3-Tetrabloroethene 12.50 18616 4.24 ug/L	Trichlorofluoromethane			447135				
Nethylene Chloride	7) 1,1-Diclethene			224756	5.13			
11 trans-1,2-Dichloroethene								•
Methyl-t-Butyl Ether	10) Methylene Chloride							
13 1,1-Diclethane	11) trans-1,2-Dichloroethene							
14) cis-1,2-Dichloroethene	12) Methyl-t-Butyl Ether							
16) Bromochloromethane	13) 1,1-Diclethane							
17 Chloroform				242384				
18				84991	5.72			
21) 1,1,1-Trichloroethane	17) Chloroform	3.76	83	821647	10.68			
21) 1,1,1-Trichloroethane					5.13			
23) Benzene 5.37 78 823713 5.29 ug/L 96 24) Trichloroethene 6.10 95 2417069 59.76 ug/L 99 E 25) 1,2-Diclpropane 6.05 63 154216 5.46 ug/L 99 26) Bromodichloromethane 6.14 83 239725 6.00 ug/L 99 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 99 41) 1,1,2,2-Tetrachloroethane 9.45 83 77388 5.35 ug/L 99 44) 1,3-Diclbenzene 10.77 146 432394 5.10 ug/L 99 44) 1,3-Diclbenzene 10.83 146 416649 5.13 ug/L 99 44) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 48) 1,2,4-Tcbenzene 12.53 180 245415 5.37 ug/L 99 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	21) 1,1,1-Trichloroethane							
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	22) Carbontetrachloride							
25) 1,2-Diclpropane 6.05 63 154216 5.46 ug/L 99 26) Bromodichloromethane 6.14 83 239725 6.00 ug/L 99 27) cis-1,3-Dichloropropene 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) Tetrachloroethane 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 99 37) Ethylbenzene 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 99 41) 1,1,2,2-Tetrachloroethane 9.45 83 77388 5.35 ug/L 99 41) 1,1,2,1-Tetrachloroethane 10.77 146 432394 5.10 ug/L 99 44) 1,3-Diclbenzene 10.77 146 432394 5.10 ug/L 99 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 48) 1,2,4-Tcbenzene 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 99	23) Benzene	5.37	78					-
25) 1,2-Diclpropane 6.05 63 154216 5.46 ug/L 99 26) Bromodichloromethane 6.14 83 239725 6.00 ug/L 99 27) cis-1,3-Dichloropropene 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) Tetrachloroethane 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 99 37) Ethylbenzene 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 99 41) 1,1,2,2-Tetrachloroethane 9.45 83 77388 5.35 ug/L 99 41) 1,1,2,1-Tetrachloroethane 10.77 146 432394 5.10 ug/L 99 44) 1,3-Diclbenzene 10.77 146 432394 5.10 ug/L 99 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 48) 1,2,4-Tcbenzene 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 99	24) Trichloroethene	6.10	95					
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 99 41) 1,1,2,2-Tetrachloroethane 9.45 83 77388 5.35 ug/L 99 42) 1,3-Diclbenzene 10.77 146 432394 5.10 ug/L 99 43) 1,4-Diclbenzene 10.77 146 432394 5.10 ug/L 97 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Diclbenzene 11.09 146 328621 4.94 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 48) 1,2,4-Tcbenzene 12.53 180 245415 5.37 ug/L 99 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	25) 1,2-Diclpropane	6.05	63					TO 11/10
7.56 91 795281 5.23 ug/L 99 Toluene 7.56 91 795281 5.23 ug/L 97 31) 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 99 42) 1,3-Diclbenzene 10.77 146 432394 5.10 ug/L 95 43) Bromoform 9.14 173 70907 5.53 ug/L 95 44) 1,3-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Diclbenzene 10.83 146 416649 5.13 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 48) 1,2,4-Tcbenzene 12.53 180 245415 5.37 ug/L 99 49) Hexachlorobt 12.79 225 151616 4.24 ug/L 99 50) 1,2,3-Tclbenzene 12.86 180 171324 4.90 ug/L	26) Bromodichloromethane							2,4000
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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-Diclbenzene 10.77 146 432394 5.10 ug/L 97 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Diclbenzene 11.09 146 328621 4.94 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L # 86 48) 1,2,4-Tcbenzene 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	32) Tetrachloroethene							
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-Diclbenzene 10.77 146 432394 5.10 ug/L 97 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Diclbenzene 11.09 146 328621 4.94 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 48) 1,2,4-Tcbenzene 12.53 180 245415 5.37 ug/L 92 49) Hexachlorobt 12.79 225 151616 4.24 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-Diclbenzene 10.77 146 432394 5.10 ug/L 97 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Diclbenzene 11.09 146 328621 4.94 ug/L 98 47) 1,2-Dibromo-3-chloropropan 11.46 75 11674 4.36 ug/L 98 48) 1,2,4-Tcbenzene 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 </td <td>35) 1,2-Dibromoethane</td> <td>8.00</td> <td>107</td> <td>79251</td> <td>5.21</td> <td></td> <td></td> <td></td>	35) 1,2-Dibromoethane	8.00	107	79251	5.21			
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-Diclbenzene 10.77 146 432394 5.10 ug/L 97 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Diclbenzene 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-Tcbenzene 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		8.76	112	501841	5.28			
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43) Bromoform 9.14 173 70907 5.53 ug/L 99 44) 1,3-Diclbenzene 10.77 146 432394 5.10 ug/L 97 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Diclbenzene 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-Tcbenzene 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	40) Styrene							
44) 1,3-Diclbenzene 10.77 146 432394 5.10 ug/L 97 45) 1,4-Diclbenzene 10.83 146 416649 5.13 ug/L 98 46) 1,2-Diclbenzene 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-Tcbenzene 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								
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46) 1,2-Diclbenzene 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-Tcbenzene 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								
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48) 1,2,4-Tcbenzene 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	46) 1,2-Diclbenzene							
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								
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	48) 1,2,4-Tcbenzene		180	245415	5.37			
50) 1,2,3-Tclbenzene 12.86 180 171324 4.90 ug/L 96	== •		225	151616	4.24			
	50) 1,2,3-Tclbenzene		180	171324	4.90		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

Vial: 25 : 14 Aug 2008 11:58 pm

Acq On : 1124913 1.0 MSD Sample

Operator: LIPANI Inst : MS#6 Multiplr: 1.00

Misc : IT-Latham R8-43894 OLC2.1LL MS Integration Params: CPD4.P

Quant Time: Aug 18 9:15 2008

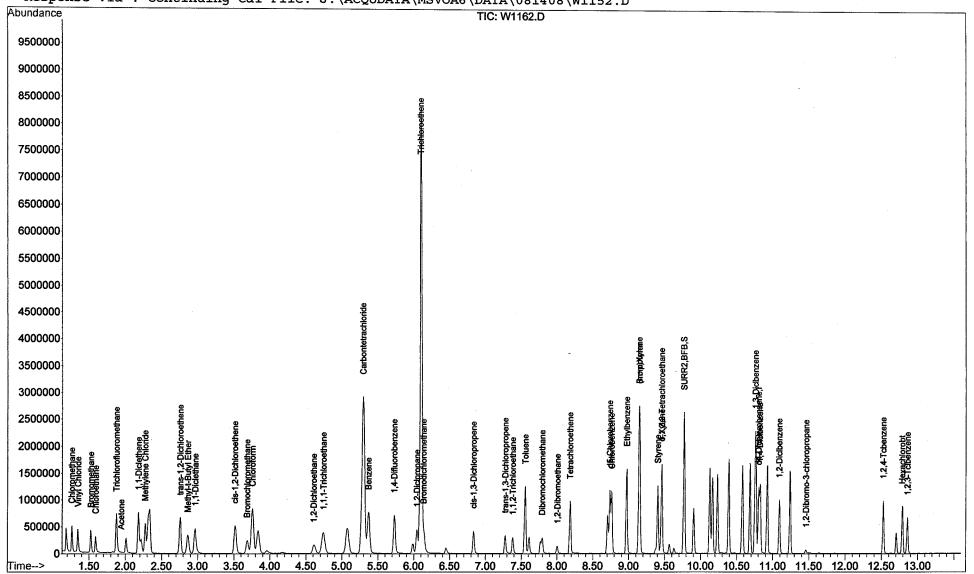
Quant Results File: OLC0814.RES

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

: OLC 2.1 WATERS Title

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

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



hill

Quantitation Report (Qedit)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1162.D : 14 Aug 2008 11:58 pm Acq On

Vial: 25 Operator: LIPANI Inst : MS#6

: 1124913 1.0 MSD Sample Misc

: IT-Latham R8-43894 OLC2.1LL

Multiplr: 1.00

MS Integration Params: CPD4.P Quant Time: Aug 28 11:05 2008

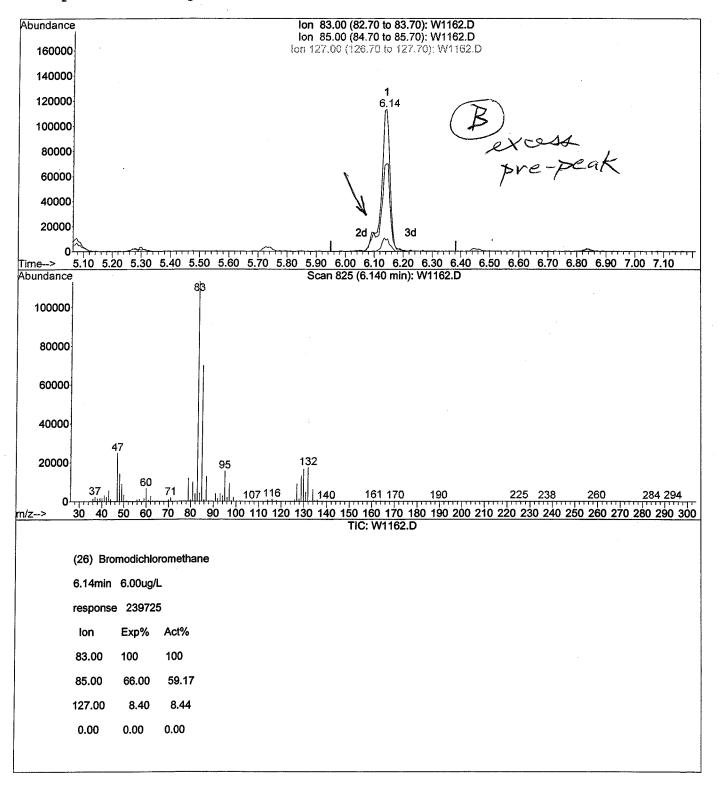
Quant Results File: temp.res

Method

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

: OLC 2.1 WATERS Title

Last Update : Mon Aug 18 09:06:03 2008 Response via : Single Level Calibration



Quantitation Report (Qedit)

Data File : J:\ACQUDATA\MSVOA6\DATA\081408\W1162.D

Vial: 25 : 14 Aug 2008 11:58 pm Operator: LIPANI : 1124913 1.0 MSD Inst : MS#6 : IT-Latham R8-43894 OLC2.1LL Multiplr: 1.00

MS Integration Params: CPD4.P

Sample

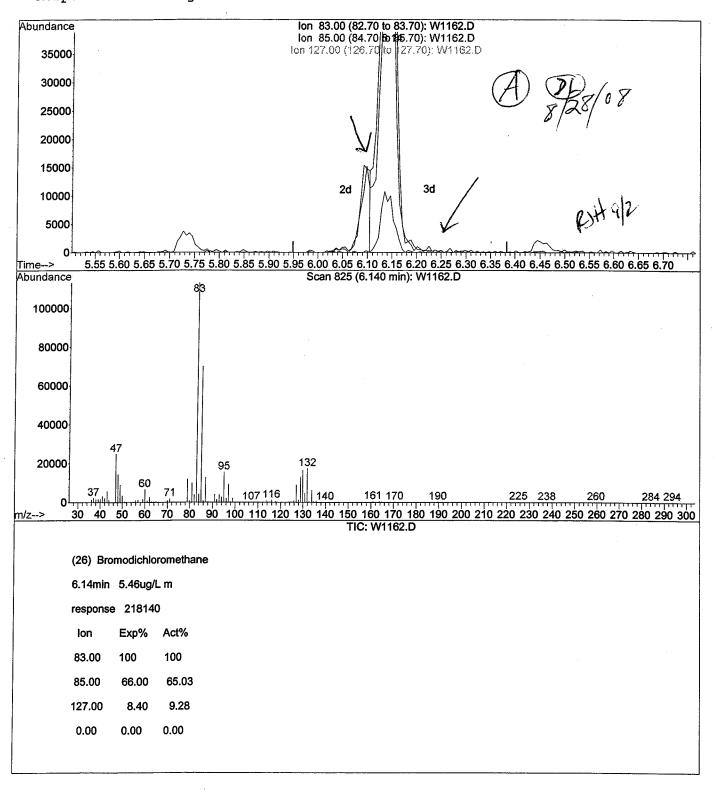
Misc

Quant Time: Aug 28 11:05 2008 Quant Results File: temp.res

: J:\ACQUDATA\MSVOA6\METHODS\OLCO814.M (RTE Integrator) Method

: OLC 2.1 WATERS Title

Last Update : Mon Aug 18 09:06:03 2008 Response via : Single Level Calibration



```
OLCO814.M
   08/14/08
                                                            261
                         (OLC 2.1)
   GCMS#6
                        [25ml Purge Volume]
     BIK
                                             W1138 Y
 j
                                             W1139 Y
   Blk-new I.S.
2
                                             WIItO Y
_3
     BIK-new Comb.
4
     Tune Check To 81408.M
                                             WIIHI N
                                             W1142 N
     Time Check
         Modification to tune file-changed Ent Offs
            19.33 to 20.08, swed as TOB1468.U
    Tune Check T081408-M/T081408-4
                                           W1143 N
7 Tune Check
                                            WIITH N
        Modification to tune file - changed repeller 26.94 to 25.93
         and Entoffs 20.08 to 20.83, saved as TI 814A8. U
    Tune Check TO81408-M/TO814A8. U
    Tune Check
                                           W1146 Y
    Inst Ble
                 I.S. Comb. SURR KH 1°TG KHB 1°TG 500
10
                            2 nl 2 nl 2 nl
    VSTD001/5
                                                 W1148 Y
11
                            4 pl 4 pl Ful
12 VSTD002/10 full vial
                                                 W1149 Y
                                                 W1150 N badshoot?
    VSTD005/25
13
    VSTD010/50 (3.5ml)
                                         10ml 1-0ml W1151 Y
14
15
    VSTD005/25
                                                 W1152 Y
                                10 pl 10 pl
    VSTD025/125 (8.5.1) -
16
                                        25M 2.5M W1153 Y
17
    BIK
                             These shoots into 50ml DI W1154 Y
    - Run Continued on Next Page
     David ligam
   Surr 25 MSVD166D, 4-Oul/50mLDI for 25mL purged Tune.
                     - also see Curve.
   I.S. 25 MSVD166C, 8.5 pl injected into full vials during
                               Curve (see above).
   Comb. I.S. Bur MSVD166E, 8.5 pl injected per full vial where
                         noted in curve and BIKS + samples.
   KH, MSVD166G, see Curve.
   10 T/G 25 MSVD164B, see Curve.
   KHB, MSVD167A, see Curve.
   1° T/G 500, MSVD163D, see Curve.
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es

'n.

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08/14/08 - Continued
                             OLC0814.M
262
                            (OLC 2.1)
       GCMS#6
        ICV/LCS
    18
                                             W1155 Y
                                             W1156 7 not used
    19
         VBLK
         VBLK
                                             W1157 Y
   20
                             R8-43894[IT-Lathi
   21
         1124917 1.0 -1
                                            W1158 Y
   22
        1124916 1.0-1
                                             W1159 Y
   23
                                             W1160 (1) rpt/2.5
        1124913 1.0 MS-1 <2
        1124913 1.0 MS-ZKQ
   24
                                            WIIGE Y
   25
        1124913 1.0 MSD <2 -1
                                            WIIGZ Y
   26
        BIK
                                            W1163 Y
        1124913 2.5 (20mL)- <2
                                            WII64 Y = DL
   27
   28
        1124915 1.0 -1
                                            W165 Y
        1124918 1.0 -1 <2 (€.8.) 4
   29
                                            W1166 Y
```

Davidhipami Standards - same as used on previous page also:

Second Sources I ICV/LCS | 1 MS/MSD |
MSVD157E (SST/G25) 10 Ml | 50 mL ; 8.5 ml injected into full viol af sample (just 55 7/G)

APPENDIX B

LABORATORY DATA, GROUNDWATER SAMPLES
(OCTOBER 13, 14, 15 AND 21, 2008)
AND
LABORATORY DATA, INFLUENT/EFFLUENT WATER
SAMPLES (OCTOBER 13, 2008)

Proj. OE Malta Proj #_ File Code: QA

1 Mustard Street, Suite 250

Rochester, NY 14609-6925

(585) 288-5380

(585) 288-8475 fax



DEC - 2808

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 ANALYTIÇAL 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 45 pages

NELAP Accredited

₼ 100% R



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

Phone Number

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

: (585) 288-5380

Lab Submission # : R2846549

Contact Person : Carlton Beechler

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.

CASE NARRATIVE

COMPANY: Shaw Environemental 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# MADEA	INFLUENT	BATCH C	OMPLETE:yes		DATE REVISE				
SUBMISSION			E REQUESTED: Y_X_ N		DATE DUE: 11.				
	Shaw Environmental	DATE: 10			PROTOCOL: C			į	•
	Carlton Beechler		Y SEAL: PRESENT/ABSENT: NA		SHIPPING No.:	•			
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	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	pН	%		MARKS
CAS JOB#	CLIENT/EFA ID		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SAMPLED	RECEIVED	(SOLIDS)	SOLIDS	AMPLE	CONDI
1144399QC	MRFA INFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
	MRFA EFFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
	DUPE A	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
	14D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
	SW-B	WATER	OLC2.1 VOA,CR,CR6	10/14/2008	10/15/2008				
	13D	WATER	CR,CR6	10/14/2008	10/15/2008				
	DUPE B	WATER	CR,CR6	10/14/2008	10/15/2008				
	M-29D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
1144407QC		WATER	OLC2.1 VOA,CR,CR6	10/14/2008	10/15/2008				
	M-24D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
D.A.	M-33I	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
	M-33S	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
	11D	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
	TRIP BLANK	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
	COOLER BLANK	WATER	OLC2.1 VOA	10/14/2008	10/15/2008				
	DGC-4S	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				
	DGC-3S	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				ļ
	SW-F	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			ļ	:
1144859	sw-G	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				<u> </u>
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		<u> </u>		<u> </u>
1144862	M-25D	WATER	OLC2.1 VOA	10/15/2008	10/16/2008				1
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		ļ		
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11/4/2008



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" ("I" 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

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New York ID # 10145
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Pennsylvania ID # 68-786
Rhode Island ID # 158
West Virginia ID # 292

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48
Columbia Analytical Services
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR#	1
CAS Contact	

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

SCOC-1102-08

Cooler Receipt And Preservation Check Form

oject/Client	Sha	SUS			Submiss	sion Number	<i>දි</i> බුපි	-4654	3	
ooler receiv	ed on <u>101</u>	1510	<u>ප</u> b	y: <u> </u>	JRIER:	CAS UF	S FE	DEX VEL	OCITY	CLIENT
. Were Did : Did : Were Were Whe	e custody just all bottles any VOA to leave any VOA to leave and the leave all the lea	oaper arrive vials e pac bottl	s prope in go have ks pressori	tside of cooler? perly filled out (in cood condition (un significant* air b resent? ginate?) upon receipt:	broken)?	3	ES NO ES NO (ES NO (ES NO (AS/ROC)		I/A T
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^{*}significant air bubbles are greater than 5-6 mm

수 :	
Columbia	
Analytical Services **	
An Employee - Owned Company	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR#	ļ
CAS Contact	

Services *** One Mustard St., S	Suite 250 • Rochester, NY 1460	9-0859 • (5	85) 288-538	30 • 800-6	95-7222	2 x11 • F/	4X (585	i) 288-8	475	PAC	iE _	1		UF _				CAS	Conta	aut			
www.caslab.com						· · · · · · · · · · · · · · · · · · ·												antal-	or Pro	eerreth		· · · · · · · · · · · · · · · · · · ·	
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Sampler's Signature	Sampler's Printed Nam	9			NUMB		8 8 E	98			7 K	A 100	8/	/بخ									
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	J SAMI DATE	PLING TIME	MATRI	7	1/5		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	E SE		MET		/ (5/	\angle	\angle	_		_	AL	REI TERNATI	MARKS/ E DESCRIP	TION
DGC-43	The second control of the second seco	10/15/08	845	GW	T.								X			نــــــــــــــــــــــــــــــــــــــ							
DGC -35		<u> </u>	920	1	11								1						<u> </u>				
SW-F		1	1120		11														L.				
5W-G		1	1145		11																		
		-	1215																				
5W-A		-	1325	+	$\dashv \dagger$																		
4D		1	1410		11	1																	
M-25D Trip Blank	104		1110		寸	1			h				1										
Trip Blank			 - 		+	1																	
			-	ļ	\dashv	_	\vdash									1							
			<u> </u>	<u> </u>			TU	IRNARO	DUND	REQUI	REME	VTS	Τ	REF	ORTR	EQUIR	EMENT	rs	Τ	INV	OICE IN	FORMATIO	N
SPECIAL INSTRUCTIONS/COMMENTS Metals	olc 2.1 You	6 pl	ue 3	othe	٢					HARGE				I. Res	uits Only	y			1				
	cmods	•	. =				<u>ا</u> ا	24 hr	4	48 hr .	5	day	Y	11. Re:	suits + C	C Sumn	naries	nafi.	PO	#			
		:					<u>_</u>	STANI	DARD					•					BIL	L TO:			
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							REQUE	ESTED R	EPUH	DATE			_	V. Sp	ecialized	Forms /	Custom	Report					
See QAPP													┨	Eda	ta	Yes		No	SU	BMISSION	l#:		
SAMPLE RECEIPT: CONDITION/COO	LER TEMP:			STODY S		YN	1		RECE	IVED B	Y		╅╌		RELIN	QUISHE	D BY		+		RECEI	VED BY	
RELINQUISHED BY	RECEIVED BY			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																			
Sindafuro Nugar	A COMMedie	1 s	ignature	<u></u>			Signatu	nie					Sign	ature					Sig	nature			
Signature Land Maye Printed Name A	Hateles Hound	<u>کر او</u>	rinted Name				Printed	Name					Prin	ted Nam	9				Pri	nted Name)		
SHAW	HOLL FUNCIT		irm				Firm						Fim	1					Fir	m			
1930	Date/line 15 0	 	ate/Time			<u></u>	Date/T	ime					Dat	emiT/e					Da	te/Time			
Date/Time	10118108 100	<u> </u>	······································	· · ·			<u> </u>						ــــــــــــــــــــــــــــــــــــــ									SCC	C-1102-0
Distribution: White - Return to Originator; Yellow	v - Lab Copy; Pink - Retained by C	HONE																					

Cooler Receipt And Preservation Check Form Submission Number R79 410549 roject/Client looler received on lollulos by: R COURIER: CAS OPS FEDEX VELOCITY CLIENT YES Were custody seals on outside of cooler? Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? NO 3. Did any VOA vials have significant* air bubbles? \sqrt{MD} N/A NO Were Ice or Ice packs present? 5. CAS/ROS CLIENT Where did the bottles originate? 6. Temperature of cooler(s) upon receipt: 7. Yes Yes Is the temperature within 0° - 6° C?: Yes Yes Yes No No No No No If No, Explain Below Date/Time Temperatures Taken: __ 10/10/03 Thermometer ID: 161 / IR GUN#2 / K GUN#3 Reading From: Temp Blank Sample Bottle If out of Temperature, note packing/ice condition, Client Approval to Run Samples:_ PC Secondary Review: 101609 Cooler Breakdown: Date: 10/10/04 Were all bottle labels complete (i.e. analysis, preservation, etc.)? NO 1. Did all bottle labels and tags agree with custody papers? NO 2. Were correct containers used for the tests indicated? NO 3. Tedlar® Bags Inflated Canisters Pressurized Air Samples: Cassettes / Tubes Intact 4. Explain any discrepancies:

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	pH	samples OK
≥12	NaOH	133					-		 	No=
S 2	HNO₃			·			<u> </u>			.Samples
52	H ₂ SO ₄						<u> </u>			were
Residual Chlorine (-)	For TCN and Phenol			If present, contact add ascorbic acid	t PM to					preserved at lab as listed
1.67	Na ₂ S ₂ O ₃	-	-			*Not to be	tested before	ore analysis – p by VOAs or Ge	nChem	PM OK to Adjust:
•	Zn Aceta	1-	•		·	on a separa	te worksh	eet		Walast.
	HCl	*	*	ESUMN	09/09					
				9-717-	902				1	

Bottle lot numbers: 8-212-00

Other Comments:

PC Secondary Review: ** *significant air bubbles are greater than 5-6 mm

H:\SMODOCS\Cooler Receipt 2.doc



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR#
CAS Contact

	Suite 250 · Rochester, NY 1460)9-0859 • (5	i85) 288-53l	30 • 800-69	5-7222	X11 • F/	AX (30	0) 200-	·04/3	170	<u></u>	-	—`	· _									
www.castab.com Project Name	Project Number				Π			AN	ALYS	IS REC	QUEST	TED (II	nclude	Meth	od Nu	ımber	and C	ontain	er Pn	eserva	tive)		
GE MRFA	Report CC	9926		.,	DOE	SERVA	TIVE										1			T	Γ	<u> </u>	
Project Manager Brian Neumann	Steve Me	uer d	ludes to	larry	PAE	SERVA	VIIVE								1	<u> </u>		ļ,		}	 	Preserva	tive Key
Company/Address	Steve Me																			′ /	′ /	Preserva 0. NON 1. HCL	Ë
Shaw Envir	anmental, Inc				- <u>R</u>																	2. HNO 3. H ₂ S0	3.
13 British	American Blvd.		· · · · · · · · · · · · · · · · · · ·				/ /	، / ۵	./	/ .	، / ا	J/i	3 3 2 3	<u></u>	∛							4. NãO	H ⁴ Acetate
Latham. N					NUMBER OF CONTAINERS	/		GC VOA'S GC				 	10 ST	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		/ ,	/ · ,	/ ,	/	/	/	6. MeO 7. NaH	H SO ₄
Phone #	518 - 78	33 - 8°	397		l is	/:	ZZ ZZ	<u>Ž</u> %/	601/	ଥିଛି	8		<u> </u>	<u> </u>						′ /	,	8. Othe	r
<u>518 - 783 - 1996</u> Sampler's Signature	Sampler's Printed Name	9			1 98	1 / \frac{8}{2}	300					8 8	8/	\b\ _	. /								
*****	FOR OFFICE USE ONLY	<u>anagan</u> SAMI		1	₹	1/8	\$ \$			<u> </u>				<i>7</i> /			/			/		REMARKS	<u></u>
CLIENT SAMPLE ID	LAB ID	DATE	TIME	MATRIX		100	700	700	100	700	2	125		/	/	/	/ 	_	\leftarrow	/ '	ALTERN	NATE DESC	RIPTION
3W-D		10/21/08	1140	@W	3	<u> </u>		<u> </u>					X			-	 	<u> </u>	-	$+\!-$		i-	
SW - E	1,000	10/21/08	1125		Ш.	<u> </u>							X	ļ		ļ			-	+-			
Trip Blank			_	4	14								X						<u> </u>	+			
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SPECIAL INSTRUCTIONS/COMMENTS	i i i i i i i i i i i i i i i i i i i			:			T	URNAR								EQUIR	EMEN	rs		II	IVOICE	INFORMA	HON
Metals OLC 2./ YOA:	s plus horach	larah	ubad	ieno.					•	HARGE			Y	_	uits Only		·····doo		PC				
0,0 2.7	- Tengon		11		'		X	• • •		48 hr		uay	14			C Summ S/MSD a		ed)					
1, 2,3- fric	hlorobenzene	, Tri	ch lord	ot l alor	0 -		REQU	JIAI IESTED		TE						C and C	Calibratic	n .	BIL	LL TO:			
		me	thane	-										Summ				D D	. -				
							REQU	ESTED	REPOR	T DATE			-					Raw Dat	··			•	
	•													- '		Forms /			SL	JBMISSIO	ON #:		
See QAPP	TEND:		CU	STODY SE	ALS: \	Y N								Edat		Yes		No					
SAMPLE RECEIPT: CONDITION/COO RELINQUISHED BY	RECEIVED BY			LINQUISHE					RECE	IVED B	Y				RELING	QUISHE	D BY				RE	CEIVED BY	
							ļ						Sign	ature	· · · · · · ·				Sk	nature			
Signature //	Holly Bunds		ignature				Signa	#						ed Name						inted Nar	me		· ·
Printed Name	Print Radt	P	rinted Name				.	d Name					Firm						Fir				
Firm Standar	Firm CAS	F	irm .				Firm						1	/Time						ate/Time			
Date/Time / 21/08 1500	Date/Time	D	ate/Time				Date/	Time					Date	7 1 11110			·····						SCOC-1102-0
Distribution: White - Return to Originator; Yellow		lent																					

Cooler Receipt And Preservation Check Form

-ciect/Cli	ent_Sha	_حداد			_Submis	sion Number	RZ	2846549	}	
Tolecaci	(C))(רומו נרוו א	. CAS LA	E FE	DEX VELO	CITY	CLIENT
Cooler rec	eived on 10	27.10	<u> </u>	by: <u>P</u> C0	UKIEK	: CAS QI	ريد ا	DLA VED		,
W 2. W 3. D 4. D 5. W	ere custody some custody sid all bottles id any VOA vere Ice or Ice.	seals paper arriv vials te pa	on on one in a have cks poles on one one one one one one one one one	utside of cooler? operly filled out (good condition (e significant* air oresent?	ink, sign inbroker	ned, etc.)? 1)?	2 3 3	ES NO ES NO ES NO ES NO ES NO ES NO	D N	/A
	s the tempera				Yes	> Yes	Ye	es Yo	es	Yes
	f No, Explai			•	No	No	N	o N	0	No
1	Date/Time To	empe	ratur	es Taken:	1012210	8 10				
	Thermometer	r ID:	161	/ IR GUN#2 /	IRGUN	Reading Reading	ng From	: Temp Bla	nk / S	ample Bottle
PC Secondary 1. 2. 3.	ondary Revie Breakdown: Were all both Did all both Were correct Air Samples	Date la	e:bels are taine	packing/ice con 10/22/08 complete (i.e. and tags agree with rs used for the te	alysis, particular designs in the custod ests indicates the custod ests indicates the custod ests in the custod est est ests in the custod ests in the custod ests in the custod est	by:_ reservation, e y papers? cated?	sh.	YES N	IO IO IO Sags Infl	
pH	Reagent			Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH	Yes = All samples OK
≥12	NaOH	YES	NO							
52	HNO ₃									No = . Samples
52	H ₂ SO ₄		 -							were
Residu Chlori	al For TCN ne and			If present, contact add ascorbic acid	PM to			print = 18		preserved at lab as listed
Θ	Phenol	┼_	-		T	*Not to be to	ested befo	ore analysis - p	H	PM OK to
	Na ₂ S ₂ O ₃	┼-	+-		+	tested and re	corded by	y VOAs or Ge	ncnem	Adju st :
-	Zn Aceta	+	-	ESOAII	+	on a separate	E WOLKSING	5 6 1	•	
	HCl					·				•
Bottle	lot numbers:	8-	<u>-21</u>	2-002						

PC Secondary Review: ______*significant air bubbles are greater than 5-6 mm

Other Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Influent

Lab Name:	CAS R	OCH			Contract:	IT-Latham		
Lab Code:	10145	· · · · · · · · ·	Case No.:	R8-46549	SAS No		SDG No.:	MRFA INF
Matrix: (soil/v	vater)	WATER	₹		Lab	Sample ID	: 1144399	2.5
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2448.D	
Level: (low/n	ned)	LOW			Dat	e Received	: 10/15/08	
% Moisture: ı	not dec.				Dat	e Analyzed:	10/22/08	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	1.0 - 2.	5 »L 12-2-
Soil Extract V	/olume:		(uL)		Soil	Aliquot Vol	ume:	(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	Ü
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	Ū
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	Ü
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	Ū
10061-01-5	cis-1,3-Dichloropropene	2	Ū
108-10-1	4-Methyl-2-Pentanone	12	Ū
108-88-3	Toluene	2	Ū
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	Ū
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	Ū
106-93-4	1,2-Dibromoethane	2	Ü
108-90-7	Chlorobenzene	2	Ū
100-41-4	Ethylbenzene	2	Ū
1330-20-7	(m+p) Xylene	2	Ü
1330-20-7	o-Xylene	2	Ü
100-42-5	Styrene	2	Ü
79-34-5	1,1,2,2-Tetrachloroethane	2	Ü
75-25-2	Bromoform	2	Ü
541-73-1	1,3-Dichlorobenzene	2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Influent

Lab Name:	CAS R	OCH			Contract:	IT-Latham			
Lab Code:	10145	с	ase No.:	R8-46549	SAS No).:	SDG No.:	MRFA	INF
Matrix: (soil/	water)	WATER			Lat	Sample ID	: 1144399	2.5	
Sample wt/v	ol:	25.0	_ (g/ml)	ML	Lat	File ID:	W2448.[)	_
Level: (low/r	med)	LOW			Dat	te Received	: <u>10/15/08</u>		
% Moisture:	not dec.				Dat	te Analyzed	: 10/22/08		_
GC Column:	DB-VI	<u> </u>	.18 (n	nm)	Dilu	ution Factor	1.0 2.	5 7	PL 12-2-8
Soil Extract \	/olume:		/uL\		Sail	I Aliquet Val	lumo		/l \

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-chloroprop	ane	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 11

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	СН			Contract:	IT-Latha	m _	MRF	A Influ	ent	
Lab Code:	10145	Cas	se No.:	R8-46549	SAS No).: 	SDG	No.:	MRFA	INF	
Matrix: (soil/v	vater)	WATER			Lal	b Sample	ID: <u>114</u>	14399	2.5		
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	<u>W2</u>	448.E)		
Level: (low/m	ned)	LOW			Da	te Receive	ed: 10/	15/08			
% Moisture: r	not dec.				Da	te Analyze	ed: 10/2	22/08			
GC Column:	DB-VF	X ID: <u>0.1</u>	8 (n	nm)	Dilo	ution Facto	or: -1.0	2.	5 DI	12-2	-8
Soil Extract V	olume:	~~~	_ (uL)		Soi	il Aliquot V	olume:			(uL))
				CON	ICENTRAT	ION UNIT	S:				
Number TICs	found:	0	-	(ug/l	or ug/Kg)	UG/L	•				
CAS NO.		COMPOU	ND NAI	ME		RT	EST. C	ONC	•	Q	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Effluent

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	MATA LINGII
Lab Code:	10145	c	ase No.:	R8-46549	SAS No.		SDG No.: MRFA IN
Matrix: (soil/v	water)	WATER			Lab	Sample ID	: 1144400 1.0
Sample wt/vo	ol:	25.0	_ (g/ml)	ML_	Lab	File ID:	W2447.D
Level: (low/n	ned)	LOW			Dat	e Received	: 10/15/08
% Moisture: r	not dec.				Date	e Analyzed:	10/22/08
GC Column:	DB-VF	RX ID: 0).18 (m	m)	Dilu	tion Factor:	1.0
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume: (
DON EXITAGE V	viuille.		(uL)		Soll	Aliquot Voli	ume: (

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	Ū
75-00-3	Chloroethane	1	Ū
75-69-4	Trichlorofluoromethane	1	Ū
75-35-4	1,1-Dichloroethene	1	Ū
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	1	Ŭ
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ü
75-34-3	1,1-Dichloroethane	1	Ŭ
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	Ü
74-97-5	Bromochloromethane	1	Ü
67-66-3	Chloroform	1	Ŭ
107-06-2	1,2-Dichloroethane	1	Ü
71-55-6	1,1,1-Trichloroethane	1	Ü
56-23-5	Carbon Tetrachloride	0.1	J
71-43-2	Benzene	1	Ü
79-01-6	Trichloroethene	0.2	J
78-87-5	1,2-Dichloropropane	1	Ü
75-27-4	Bromodichloromethane	1	Ŭ
10061-01-5	cis-1,3-Dichloropropene	1	Ū
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	Ū
10061-02-6	trans-1,3-Dichloropropene	1	Ü
79-00-5	1,1,2-Trichloroethane	1	Ü
127-18-4	Tetrachloroethene	1	Ü
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform		U
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Effluent

Lab Name:	CAS R	OCH							
Lab Code:	10145	C	ase No.: R8	-46549	SAS No.		SDG No.:	MRFA I	NF
Matrix: (soil/	water)	WATER			Lab	Sample ID	: 114440	0 1.0	
Sample wt/v	ol:	25.0	(g/ml) <u>M</u>	L	Lab	File ID:	W2447.	.D	
Level: (low/r	med)	LOW			Dat	e Received	: 10/15/0	8	
% Moisture:	not dec.				Date	e Analyzed:	10/22/0	8	
GC Column:	DB-V	<u>RX</u> ID: <u>0</u>	.18 (mm)		Dilu	tion Factor:	1.0		
Soil Extract \	/olume:		(uL)		Soil	Aliquot Vol	ume:		(uL)
				CONC	ENTRATI	ION UNITS	:		
CAS NO)	COME	OI IND	lual a	se ualVal	LICA		^	

			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	Ū
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	- U
87-61-6	1,2,3-Trichlorobenzene	1	- Ū

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:** (ug/L or ug/Kg) UG/L Number TICs found: CAS NO. **COMPOUND NAME** RT EST. CONC. Q

(uL)

Soil Extract Volume:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

(uL)

DUPE A Lab Name: CAS ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R8-46549 SDG No.: MRFA INF SAS No.: Matrix: (soil/water) WATER Lab Sample ID: 1144401 1.0 Sample wt/vol: 25.0 (g/mi) 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

CONCENTRATION UNITS:

Soil Aliquot Volume:

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name:	CAS R	OCH		Contract: IT-Latham				
Lab Code:	10145	Ca	ase No.: <u>R8-46549</u>	SAS No.	:s	DG No.: MRFA IN	IF	
Matrix: (soil/\	water)	WATER		Lab	Sample ID:	1144401 1.0		
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab	File ID:	W2449.D		
Level: (low/r	ned)	LOW	_	Date	e Received:	10/15/08		
% Moisture:	not dec.	***************************************		Date	e Analyzed:	10/22/08		
GC Column:	DB-V	RX ID: 0.	18 (mm)	Dilu	tion Factor:	1.0		
Soil Extract \	/olume:		(uL)	Soil	Aliquot Volu	me:	(uL)	

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichloroben	zene	1	U
95-50-1	1,2-Dichloroben		1	U
96-12-8	1,2-Dibromo-3-0		1	Ü
120-82-1	1,2,4-Trichlorob		1	Ü
87-68-3	Hexachlorobuta		1	Ü
87-61-6	1,2,3-Trichlorob		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	OCH			Contract:	IT-Lath	am		UPE A	
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	.:	SI	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	<u>. </u>		Lat	Sample	D:	1144401	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:		W2449.[)	
Level: (low/n	ned)	LOW	_		Dat	e Recei	ved:	10/15/08	3	_
% Moisture: r	not dec.	*****			Dat	e Analyz	zed:	10/22/08	3	
GC Column:	DB-VF	X ID: 0.	18 (m	m)	Dilu	ition Fac	tor:	1.0		
Soil Extract V	olume:		_ (uL)		Soi	Aliquot	Volu	ne:		(uL)
				CON	CONCENTRATION UNITS:					
Number TICs	found:	0	_	(ug/L	or ug/Kg)	UG	/L			
CAS NO.		COMPOU	ND NAM	1E		RT	ES	T. CONC	· .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO	CH	-		Contract: IT-Latham		
Lab Code:	10145	(Case No.:	R8-46549	SAS No	.:s	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATER	<u> </u>		Lat	Sample ID:	1144402 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2450.D
Level: (low/n	ned)	LOW			Dat	te Received:	10/15/08
% Moisture: r	not dec.		······································		Dat	te Analyzed:	10/22/08
GC Column:	DB-VR	RX ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me: (u

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	Trichlorofluorome	thane		1	U
75-35-4	1,1-Dichloroether	ne		1	U
67-64-1	Acetone			1	J
75-15-0	Carbon Disulfide			1	U
75-09-2	Methylene Chloric	de		1	U
156-60-5	trans-1,2-Dichloro	ethene		1	U
75-34-3	1,1-Dichloroethan	e		1	U
156-59-2	cis-1,2-Dichloroet	hene		1	U
78-93-3	2-Butanone			5	U
74-97-5	Bromochlorometh	ane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroethan	е		1	U
71-55-6	1,1,1-Trichloroeth	ane		1	U
56-23-5	Carbon Tetrachlo	ride		1	U
71-43-2	Benzene			1	-
79-01-6	Trichloroethene			1	-
78-87-5	1,2-Dichloropropa	ne		1	U
75-27-4	Bromodichlorome	thane		1	U
10061-01-5	cis-1,3-Dichloropr	opene		1	U
108-10-1	4-Methyl-2-Pentar			5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichloro	propene		1	U
79-00-5	1,1,2-Trichloroeth			1	U
127-18-4	Tetrachloroethene	3		1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorome	thane		1	U
106-93-4	1,2-Dibromoethan			1	Ü
108-90-7	Chlorobenzene			1	U
100-41-4	Ethylbenzene		1	1	Ū
1330-20-7	(m+p) Xylene	21. 1/2. 1/2. 1/2. 1/2. 1/2. 1/2. 1/2. 1		1	Ū
1330-20-7	o-Xylene			1	Ū
100-42-5	Styrene			1	Ū
79-34-5	1,1,2,2-Tetrachlore	oethane		1	Ü
75-25-2	Bromoform			1	Ü
541-73-1	1,3-Dichlorobenze	ne		1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name:	CAS RC	OCH	***	* · · · · · · · · · · · · · · · · · · ·	Contract:	IT-Latham		
Lab Code:	10145	Cas	se No.:	R8-46549	SAS No		SDG No.: MRFA II	NF
Matrix: (soil/w	rater)	WATER	,		Lat	Sample ID): <u>11444</u> 02 1.0	
Sample wt/vo	1 :	25.0	(g/ml)	ML	Lat	File ID:	W2450.D	
_evel: (low/m	ied)	LOW			Dat	te Received:	: 10/15/08	
% Moisture: n	ot dec.				Dat	te Analyzed:	10/22/08	
GC Column:	DB-VF	<u> XX</u> ID: <u>0.1</u>	<u>8</u> (m	nm)	Dilu	ution Factor:	1.0	
Soil Extract Vo	olume: _		(uL)		Soil	l Aliquot Vol	ume:	(uL

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1	U
95-50-1	1,2-Dichloroben		1	U	
96-12-8	1,2-Dibromo-3-c			1	Ü
120-82-1	1,2,4-Trichlorob			1	Ü
87-68-3	Hexachlorobuta			1	Ü
87-61-6	1,2,3-Trichlorob			1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPI	LE NO
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Lab Name:	CAS R	OCH			Contract:	IT-Lath	nam		140	
Lab Code:	10145		ase No.:	R8-46549	SAS No	.:	s	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			Lat	Sample	e ID:	1144402	2 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID	:	W2450.	D	
Level: (low/m	ned)	LOW			Dat	e Recei	ved:	10/15/08	3	_
% Moisture: r	not dec.				Dat	e Analy	zed:	10/22/08	3	_
GC Column:	DB-VF	X ID: C).18 (n	nm)	Dilu	ition Fac	ctor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volu	me:		_ (uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0	·	(ug/l	or ug/Kg)	UG	/L			
CAS NO.		СОМРО	UND NAI	ME	33334	RT	ES	T. CONC).	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO	OCH		Contract:	IT-Latham	2M-R
Lab Code:	10145	Ca:	se No.: <u>R8-465</u>	49 SAS No	o.: S	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATER	_	La	b Sample ID:	1144403 1.0
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	b File ID:	W2451.D
Level: (low/n	ned)	LOW	-	Da	te Received:	10/15/08
% Moisture: r	not dec.			Da	te Analyzed:	10/22/08
GC Column:	DB-VF	X ID: 0.1	8 (mm)	Dile	ution Factor:	1.0
Soil Extract V	olume:		_ (uL)	Soi	il Aliquot Volu	me: (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	Ū
74-83-9	Bromomethane	1	Ū
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	Ü
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	Ü
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	Ū
75-34-3	1,1-Dichloroethane	1	Ü
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	Ü
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	Ü
107-06-2	1,2-Dichloroethane	1	Ü
71-55-6	1,1,1-Trichloroethane	1	Ü
56-23-5	Carbon Tetrachloride	1	Ü
71-43-2	Benzene	1	Ü
79-01-6	Trichloroethene	1	Ü
78-87-5	1,2-Dichloropropane	1	Ü
75-27-4	Bromodichloromethane	1	Ū
10061-01-5	cis-1,3-Dichloropropene	1	Ü
108-10-1	4-Methyl-2-Pentanone	5	Ū
108-88-3	Toluene	1	Ū
10061-02-6	trans-1,3-Dichloropropene	1	Ū
79-00-5	1,1,2-Trichloroethane	1	Ü
127-18-4	Tetrachloroethene	1	Ŭ
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ŭ
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene	1 1	Ü
1330-20-7	(m+p) Xylene	1	Ü
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	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

U

U

SW-B Lab Name: CAS ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R8-46549 SDG No.: MRFA INF SAS No.: 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: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** (uall or ualka)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichloroben	1	U	
95-50-1	1,2-Dichloroben	1	U	
96-12-8	1,2-Dibromo-3-c	hloropropane	1	U
120-82-1	1.2.4-Trichlorob	enzene	1	U

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO
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Lab Name:	CAS RO	CH			Contract:	IT-Lath	am		311-6	
Lab Code:	10145		Case No.:	R8-46549	SAS No		si	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATE	R		Lat	Sample	e ID:	1144403	3 1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML	Lat	File ID:	:	W2451.I	D	_
Level: (low/n	n ed)	LOW			Dat	e Recei	ved:	10/15/08	3	_
% Moisture: r	not dec.				Dat	e Analy	zed:	10/22/08	}	_
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (n	nm)	Dilu	ition Fac	ctor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volur	ne:		(uL)
				COI	NCENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/	L or ug/Kg)	UG	/L			
CAS NO.		COMF	POUND NAI	ME		RT	ES.	T. CONC).	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D Lab Name: CAS ROCH Contract: IT-Latham SAS No.: SDG No.: MRFA INF Lab Code: 10145 Case No.: R8-46549 Lab Sample ID: 1144406 2.0 Matrix: (soil/water) WATER 25.0 Sample wt/vol: (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 DL 12-28 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4.0 2.0 Soil Extract Volume: Soil Aliquot Volume: (uL)

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	J
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	J
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	Ū
100-41-4	Ethylbenzene	2	Ü
1330-20-7	(m+p) Xylene	2	Ū
1330-20-7	o-Xylene	2	Ŭ
100-42-5	Styrene	2	Ü
79-34-5	1,1,2,2-Tetrachloroethane	2	Ŭ
75-25-2	Bromoform	2	Ū
541-73-1	1,3-Dichlorobenzene	2	Ŭ

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name:	CAS R	OCH			Contract:	IT-Latham			
Lab Code:	10145	C	ase No.:	R8-46549	SAS No	o.:	SDG No.:	MRFA INF	
Matrix: (soil/v	vater)	WATER			La	b Sample ID): <u>1144406</u>	3 2.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	La	b File ID:	W2452.I	<u> </u>	
Level: (low/n	ned)	LOW			Da	te Received	l: <u>10/15/08</u>	3	
% Moisture: r	not dec.				Da	te Analyzed	i: <u>10/22/08</u>	}	
GC Column:	DB-VI	RX ID: 0	.18 (m	nm)	Dil	ution Factor	: 1.0 2.0	DL 12-	Z-8
Soil Extract V	/olume:		(uL)		So	il Aliquot Vo	lume:	(uL	.)
				CON	ICENTRAT	ION LINITS	: •		

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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/voi: 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) DL 12-2-8 Dilution Factor: 4.0-2.c Soil Extract Volume: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** UG/L (ug/L or ug/Kg) Number TICs found: CAS NO. **COMPOUND NAME** RT EST. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	,	111-2.1 5	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SDG No	.: MRFA	NF
Matrix: (soil/v	vater)	WATE	R		Lat	Sample II	D: <u>11444</u>	07 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2474	4.D	
Level: (low/m	ned)	LOW	·		Dat	te Received	d: <u>10/15/</u>	08	
% Moisture: r	not dec.				Dat	te Analyzed	d: <u>10/23/</u>	08	
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	nm)	Dilu	ıtion Factor	r: 1.0		
Soil Extract V	olume:		(uL)		Soil	l Aliquot Vo	olume:		(uL

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	Trichlorofluorom	nethane	0.3	J
75-35-4	1,1-Dichloroethe	ene	1	U
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide	9	1	U
75-09-2	Methylene Chlor		1	U
156-60-5	trans-1,2-Dichlo	roethene	1	U
75-34-3	1,1-Dichloroetha	ane	1	U
156-59-2	cis-1,2-Dichloro	ethene	1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochlorome	thane	1	U
67-66-3	Chloroform		0.6	J
107-06-2	1,2-Dichloroetha	ine	1	U
71-55-6	1,1,1-Trichloroet	hane	1	Ü
56-23-5	Carbon Tetrachi		9	
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		11	
78-87-5	1,2-Dichloroprop	ane	1	U
75-27-4	Bromodichlorom		1	Ü
10061-01-5	cis-1,3-Dichlorop		1	U
108-10-1	4-Methyl-2-Penta		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichlor	opropene	1	U
79-00-5	1,1,2-Trichloroet		1	U
127-18-4	Tetrachloroether		1	Ū
591-78-6	2-Hexanone		5	Ü
124-48-1	Dibromochlorom	ethane	1	Ü
106-93-4	1,2-Dibromoetha		1	Ü
108-90-7	Chlorobenzene		1	Ü
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	Ü
1330-20-7	o-Xylene		1	Ü
100-42-5	Styrene		1	Ü
79-34-5	1,1,2,2-Tetrachlo	roethane	1	Ü
75-25-2	Bromoform		1	Ü
541-73-1	1,3-Dichlorobenz	rene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D

Lab Name:	CAS RO	OCH			Contract:	IT-Latham		
Lab Code:	10145	Cas	se No.:	R8-46549	SAS No	.: ;	SDG No.: MRFA I	NF
Matrix: (soil/v	vater)	WATER	_		Lai	Sample ID	: 1144407 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lai	File ID:	W2474.D	
Level: (low/n	ned)	LOW	_		Da	te Received:	10/15/08	
% Moisture: ı	not dec.				Dat	te Analyzed:	10/23/08	
GC Column:	DB-VF	RX ID: 0.1	18 (m	m)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:	****	_ (uL)		Soi	l Aliquot Vol	ume:	(uL)

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	IPLE	NO.

_	10145		ase No.:	R8-46549	-			OG No.:		INF
Matrix: (soil/wa	ater)	WATER			Lal	o Sample	e ID:	1144407	7 1.0	
Sample wt/vol:	:	25.0	_ (g/ml)	ML	Lat	File ID:	: 1	W2474.I	D	_
Levei: (low/me	ed)	LOW			Dat	te Recei	ved:	10/15/08	<u> </u>	-
% Moisture: no	ot dec.				Dat	te Anaiya	zed: _	10/23/08	3	_
GC Column:	DB-VR	<u>X</u> ID: <u>C</u>).18 (n	nm)	Dilu	ution Fac	ctor:	1.0		_
Soil Extract Vo	olume: _		(uL)		Soi	l Aliquot	Volun	ne:		(uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs f	found:	0		(ug/l	or ug/Kg)	UG	/L	4		
CAS NO.		СОМРО	UND NA	ME		RT	EST	r. CONC).	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Code: 10145	FA 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	Tito and the same
% 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)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	Ū
74-83-9	Bromomethane	1	Ū
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 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

EPA SAMPLE NO.

			'				M-24D	
Lab Name:	CAS RO	DCH		Contract:	IT-Latham	_		
Lab Code:	10145	Ca	se No.: <u>R8-4</u>	6549 SAS N	o.:	SDG No.:	MRFA	INF
Matrix: (soil/v	water)	WATER		La	b Sample ID	: 1144408	B 1.0	
Sample wt/vo	oi:	25.0	(g/ml) ML	La	b File ID:	W2453.	D	
Level: (low/n	ned)	LOW		Da	ate Received	10/15/08	3	
% Moisture: ı	not dec.			Da	ate Analyzed:	10/22/08	3	
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	18 (mm)	Dil	ution Factor:	1.0		
Soil Extract V	/olume:		(uL)	So	il Aliquot Vol	ume:		(uL
				CONCENTRA	TION UNITS:			
CAS NO).	COMP	OUND	(ug/L or ug/Kg)	UG/L	***************************************	Q	
· · · · · · · · · · · · · · · · · · ·			····					

•	(0 % 4 6 0 6 0 7		
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	J

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	OCH			Contract:	IT-Latha	am	. L	111-2-40	
Lab Code:	10145	Ca	ise No.:	R8-46549	SAS No	.:	_ SI	DG No.:	MRFA	INF
Matrix: (soil/w	vater)	WATER			Lat	Sample	ID:	1144408	3 1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML	Lat	File ID:		W2453.[<u> </u>	-
Level: (low/m	ned)	LOW			Dat	te Receiv	ed:	10/15/08	3	
% Moisture: n	not dec.	· · · · · · · · · · · · · · · · · · ·	· ·		Dat	te Analyz	ed:	10/22/08	3	
GC Column:	DB-VF	<u> XX</u> ID: <u>0.</u>	18 (n	nm)	Dilu	ution Fact	tor:	1.0		
Soil Extract V	'olume:		(uL)		Soi	l Aliquot '	Volur	ne:		_ (uL)
				CON	CENTRAT	ION UNI	TS:			
Number TICs	found:	0		(ug/l	L or ug/Kg)	UG/	<u>L</u>			
CAS NO.		COMPOL	JND NA	ME		RT	ES	T. CONC).	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	•	· • • • • • • • • • • • • • • • • • • •	0, (0, 11)		0.0 5,	0.1221	M-33I
Lab Name:	CAS RO	OCH		· · · · · · · · · · · · · · · · · · ·	Contract:	IT-Latham	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: s	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATE	₹		Lat	Sample ID:	1144409 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2454.D
Level: (low/n	ned)	LOW			Dat	e 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)

CAS NO.	COMPOUND (ug/L or u	g/Kg) <u>UG/L</u>	na de la companya de	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	J
156-60-5	trans-1,2-Dichloroethene		1	5
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	J
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	e e	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	Ū
79-34-5	1,1,2,2-Tetrachloroethane		1	Ū
75-25-2	Bromoform		1	Ü
541-73-1	1,3-Dichlorobenzene		1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33i

Lab Name:	CAS RO	OCH			Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.: F	R8-46549	SAS No	.:	SDG No.:	MRFA	INF
Matrix: (soil/w	vater)	WATER	_		Lat	Sample ID): <u>114440</u>	9 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2454.	D	
Level: (low/m	ned)	LOW	_		Dat	e Received	l: <u>10/15/0</u>	8	
% Moisture: r	not dec.				Dat	e Analyzed	: 10/22/0	8	
GC Column:	DB-VF	<u> </u>	18 (mr	n)	Dilu	ıtion Factor	: 1.0		
Soil Extract V	olume:		(uL)		Soi	l Aliquot Vo	lume:	·····	(uL)
				CON	CENTRAT	ION UNITS	:	•	
CAS NO).	COMP	DUND	(ug/L	or ug/Kg)	UG/L		Q	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

Lab Name:	CAS RO	OCH			Contract:	IT-Lath	am		M-331	
Lab Code:	10145	(Case No.:	R8-46549	SAS No	.:	_ s	DG No.:	MRFA	INF
Matrix: (soil/v	water)	WATER			Lat	Sample	e ID:	1144409	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	:	W2454.I)	_
Level: (low/n	ned)	LOW			Dat	e Recei	ved:	10/15/08	3	_
% Moisture: r	not dec.				Dat	e Analy:	zed:	10/22/08	3	
GC Column:	DB-VF	X ID:	0.18 (m	nm)	Dilu	tion Fac	ctor:	1.0		_
Soil Extract V	/olume:		(uL)		Soil	Aliquot	Volu	me:		_ (uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	/L			5-16-16-5-i-i
CAS NO.		COMPO	OUND NAI	ИE		RT	ES	T. CONC) .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name:	CAS RO	OCH			Contract:	IT-Latham		
Lab Code:	10145		ase No.:	R8-46549	SAS No	.:	SDG No.: MRFA	INF
Matrix: (soil/\	water)	WATER			Lat	Sample ID	: <u>1144410 1.0</u>	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2455.D	_
Level: (low/r	ned)	LOW			Dat	te Received	: 10/15/08	- -
% Moisture:	not dec.	٠.			Dat	te Analyzed:	10/22/08	-
GC Column:	DB-VF	RX ID: ().18 (n	nm)	Dilu	ution Factor:	1.0	_
Soil Extract \	/olume:		(uL)		Soi	l Aliquot Vol	ume:	_ (uL

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	٦
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 Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U.
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	Ü
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	Ü
541-73-1	1,3-Dichlorobenzene		1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name:	CAS RO	OCH			Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No).:	SDG No.:	MRFA	NF
Matrix: (soil/v	vater)	WATER	-		Lal	b Sample i D	1144410	1.0	*******
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lai	File ID:	W2455.E	<u> </u>	
Level: (low/n	ned)	LOW	_		Da	te Received:	10/15/08		
% Moisture: r	not dec.				Da	te Analyzed:	10/22/08		
GC Column:	DB-VF	X ID: 0.1	<u>18</u> (n	nm)	Dile	ution Factor:	1.0		
Soil Extract V	/olume:		_ (uL)		So	l Aliquot Vol	ume:		(uL)
				COI	NCENTRAT	ION UNITS:	, •		
CAS NO).	COMPO	DUND	(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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO	١.
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							Ι,	11 226	
Lab Name:	CAS RO	OCH		Contract:	IT-Lath	nam	<u> </u>	M-33S	
Lab Code:	10145		Case No.: R8-	46549 SAS No	.:	SD	G No.:	MRFA	INF
Matrix: (soil/v	water)	WATER		Lal	Sampl	e ID: <u>1</u>	144410	1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	Lat	File ID	: <u>v</u>	V2455.[D	
Level: (low/n	ned)	LOW	·····	Da	te Recei	ived: <u>1</u>	0/15/08	3	_
% Moisture: ı	not dec.			Da	te Analy	zed: 1	0/22/08	3	_
GC Column:	DB-VF	X ID:	0.18 (mm)	Dilu	ution Fa	ctor: 1	.0		_
Soil Extract V	/olume:		(uL)	Soi	l Aliquot	Volum	e:	·	_ (uL)
				CONCENTRAT					
Number TICs	found:	0		(ug/L or ug/Kg)	UG	5/L 			
CAS NO.		COMPO	OUND NAME		RT	EST	. CONC) .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11D

Lab Name:	CAS RO	CH			Contract:	IT-Latham	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: (SDG No.: MRFA INF
Matrix: (soil/w	ater)	WATER	<u> </u>		Lat	Sample ID	: 1144411 1.0
Sample wt/vo	l:	25.0	(g/ml)	ML	Lat	File ID:	W2456.D
Level: (low/m	ed)	LOW			Dat	e Received:	10/15/08
% Moisture: n	ot dec.				Dat	te Analyzed:	10/22/08
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ıtion Factor:	1.0
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume: (uL

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	٦
75-00-3	Chloroethane	1	J
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	Ü
56-23-5	Carbon Tetrachloride	10	
71-43-2	Benzene	1	Ū
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	Ü
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	Ū
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ū
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ū
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1 1	U
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11D Lab Name: CAS ROCH Contract: IT-Latham Lab Code: Case No.: R8-46549 SAS No.: SDG No.: MRFA INF 10145 Lab Sample ID: 1144411 1.0 Matrix: (soil/water) WATER 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: Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1 .	U
95-50-1	1,2-Dichloroben	1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-0			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	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO.
	11D	

CAS NO.		COMPO	UND NA	ИE		RT	EST	CONC) .	Q
Number TICs	found:	0			ICENTRAT . or ug/Kg)	ION UN UG				
Soil Extract V	olume:		(uL)		Soi	l Aliquot	Volum	ne:		_ (uL)
GC Column:	DB-VF	X ID: C	<u>0.18</u> (m	im)	Dilu	ition Fac	ctor: _	1.0		-
% Moisture: r	not dec.				Dat	e Analy	zed: <u></u>	10/22/08	3	-
Level: (low/m	ned)	LOW			Dat	te Recei	ved: _	10/15/08	3	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	: <u>\</u>	N2456.I)	_
Matrix: (soil/w	vater)	WATER			Lat	Sample	e ID: _	114441	1.0	
Lab Code:	10145	c	Case No.:	R8-46549	SAS No	.:	SD	G No.:	MRFA	INF
Lab Name:	CAS RO	DCH			Contract:	IT-Lath	am			

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS RO	OCH			Contract:	IT-Latham			┙
Lab Code:	10145	C	ase No.:	R8-46549	SAS No	.:	SDG No.:	MRFA IN	=
Matrix: (soil/w	vater)	WATER			Lab	Sample ID	1144412	2 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lab	File ID:	W2457.	D	
Level: (low/m	ned)	LOW			Dat	e Received:	10/15/08	3	
% Moisture: r	not dec.				Dat	e Analyzed:	10/22/08	3	
GC Column:	DB-VF	<u> </u>	.18 (n	nm)	Dilu	ıtion Factor:	1.0		
Soil Extract V	olume:		(uL)		Soi	Aliquot Vol	ume:	<u> </u>	uL)

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	J
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	J
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	Ų
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	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS RO	OCH		·	Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.: F	R8-46549	SAS No.	•	SDG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	_		Lab	Sample ID	: <u>11444</u> 12	2 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2457.I)	
Level: (low/n	ned)	LOW	-		Dat	e Received	: 10/15/08	3	
% Moisture: ı	not dec.				Date	e Analyzed	: 10/22/08	3	
GC Column:	DB-VF	X ID: 0.1	18_ (mn	n)	Dilu	tion Factor:	: 1.0		
Soil Extract V	/olume:		_ (uL)		Soil	Aliquot Vol	lume:		(uL)
				CON	CENTRATI	ON UNITS	:		
CAS NO) .	COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	

OAO 110.	COMPOUND	(ug/E or ug/ng)	OG/L	Q
106-46-7	1,4-Dichlorobenzer	le .	1	U
95-50-1	1,2-Dichlorobenzer	1,2-Dichlorobenzene		
96-12-8	1,2-Dibromo-3-chlo	1,2-Dibromo-3-chloropropane		
120-82-1	1,2,4-Trichlorobenz	1,2,4-Trichlorobenzene		
87-68-3	Hexachlorobutadier	1	U	
87-61-6	1,2,3-Trichlorobenz	1	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO
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TRIP BLANK Lab Name: CAS ROCH Contract: IT-Latham SAS No.: Case No.: R8-46549 SDG No.: MRFA INF Lab Code: 10145 Lab Sample ID: 1144412 1.0 Matrix: (soil/water) WATER 25.0 (g/ml) ML Lab File ID: W2457.D Sample wt/vol: Date Received: 10/15/08 Level: (low/med) LOW Date Analyzed: 10/22/08 % Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: **CONCENTRATION UNITS:** UG/L (ug/L or ug/Kg) Number TICs found: RT EST. CONC. Q **COMPOUND NAME** CAS NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS R	CH		_ Contract:	IT-Latham		
Lab Code:	10145		Case No.: R8-4654	19 SAS No	o.: S	DG No.: MRFA INF	_
Matrix: (soil/	water)	WATER	₹	La	b Sample ID:	1144413 1.0	-
Sample wt/ve	ol:	25.0	(g/ml) <u>ML</u>	La	b File ID:	W2480.D	
Level: (low/r	med)	LOW		Da	te Received:	10/15/08	
% Moisture:	not dec.			Da	te Analyzed:	10/23/08	
GC Column:	DB-VI	RX ID:	0.18 (mm)	Dil	ution Factor:	1.0	
Soil Extract \	/olume:		(uL)	So	il Aliquot Volu	ıme: (u	L)

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS R	DCH			Contract:	IT-Latham		
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	.: s	SDG No.: MRFA	INF
Matrix: (soil/v	vater)	WATER			Lal	Sample ID:	1144413 1.0	
Sample wt/vo	oł:	25.0	(g/ml)	ML	Lal	File ID:	W2480.D	-
Level: (low/n	ned)	LOW			Da	te Received:	10/15/08	
% Moisture: ı	not dec.				Da	te Analyzed:	10/23/08	_
GC Column:	DB-VI	<u>RX</u> ID: <u>0.</u>	18 (n	nm)	Dile	ution Factor:	1.0	_
Soil Extract V	/olume:		_ (uL)		Soi	l Aliquot Volu	ıme:	(uL)
				CON	ICENTRAT	ION UNITS:		

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q	
106-46-7	1,4-Dichloroben	zene	1	U	
95-50-1	1,2-Dichloroben	1	U		
96-12-8	1,2-Dibromo-3-0	1,2-Dibromo-3-chloropropane			
120-82-1	1,2,4-Trichlorob	enzene	1	U	
87-68-3	Hexachiorobuta	diene	11	U	
87-61-6	1,2,3-Trichlorob	enzene	1	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

COOLER BLK

Lab Name:	CAS RO	OCH			Contract:	IT-Lath	am			
Lab Code:	10145		ase No.: <u>I</u>	R8-46549	SAS No).:	_ s	DG No.:	MRFA	\ INF
Matrix: (soil/v	water)	WATER	····		Lai	b Sample	D:	1144413	3 1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lal	File ID:		W2480.[כ	
Level: (low/r	ned)	LOW			Da	te Receiv	ved:	10/15/08	}	
% Moisture:	not dec.				Da	te Analyz	zed:	10/23/08	}	
GC Column:	DB-VF	X ID: <u>0.18</u> (mm)			Dilution Factor:			1.0	_	
Soil Extract \	/olume:		(uL)		Soi	il Aliquot	Volu	me:		_ (uL)
				CON	CENTRAT	ION UNI	ITS:			
Number TICs	s found:	0		(ug/	L or ug/Kg)	UG	/L	···-		
CAS NO.		COMPO	UND NAM	E		RT	ES	T. CONC	 >.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name:	CAS RO	OCH			Contract:	IT-Latham			
Lab Code:	10145	c	ase No.:	R8-46549	SAS No		SDG No.:	MRFA IN	F
Matrix: (soil/v	vater)	WATER			Lat	Sample ID	: 1144850	3 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lab	File ID:	W2458.	D	
Level: (low/n	ned)	LOW			Dat	e Received	10/16/08	3	
% Moisture: ı	not dec.				Dat	e Analyzed:	10/23/08	3	
GC Column:	DB-VF	<u> </u>	.18 (n	nm)	Dilu	ıtion Factor:	1.0		
Soil Extract V	/olume:		(uL)		Soil	Aliquot Vol	ume:		(uL

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	Ų
75-00-3	Chloroethane			1	U
75-69-4	Trichlorofluorome	ethane		1	U
75-35-4	1,1-Dichloroethe	ne		1	U
67-64-1	Acetone			1	J
75-15-0	Carbon Disulfide			1	U
75-09-2	Methylene Chlori	de	•	1	U
156-60-5	trans-1,2-Dichlor	oethen e		1	U
75-34-3	1,1-Dichloroetha	ne		1	U
156-59-2	cis-1,2-Dichloroe	thene		1	U
78-93-3	2-Butanone			5	U
74-97-5	Bromochloromet	hane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroetha	ne		1	U
71-55-6	1,1,1-Trichloroeti	hane		1	U
56-23-5	Carbon Tetrachic	oride		1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloroprop	ane		1	U
75-27-4	Bromodichiorome			1	U
10061-01-5	cis-1,3-Dichlorop	ropene		1	U
108-10-1	4-Methyl-2-Penta			5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichlor	opropene		1	U
79-00-5	1,1,2-Trichloroetl		,	1	U
127-18-4	Tetrachloroethen	е		1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorome	ethane		1	U
106-93-4	1,2-Dibromoetha			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	Ū
100-42-5	Styrene			1	Ū
79-34-5	1,1,2,2-Tetrachlo	roethane		1	Ū
75-25-2	Bromoform			1	Ū
541-73-1	1,3-Dichlorobenz	ene		1	Ü

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/voi: 25.0 (g/ml) ML Lab File ID: W2458.D LOW Level: (low/med) 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: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** CAS NO COMPOUND (uall or ualka)

CAS NO.	COMPOUND	(ug/L or ug/Ng)	UG/L		Q
106-46-7	1,4-Dichlorober	nzene		1	U
95-50-1	1,2-Dichlorober	1,2-Dichlorobenzene			U
96-12-8	1,2-Dibromo-3-		1	U	
120-82-1	1,2,4-Trichlorob	enzene		1	U
87-68-3	Hexachlorobuta	diene		1	U
87-61-6	1,2,3-Trichlorob	enzene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE	NO.
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Lab Name:	CAS RO	CH			Contract:	IT-Latha	am	<u> </u>	700-40	
Lab Code:	10145	c	ase No.:	R8-46549	SAS No		_ s	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			Lat	Sample	ID:	1144856	3 1.0	
Sample wt/vo	oi:	25.0	_ (g/ml)	ML	Lat	File ID:		W2458.I	D	
Level: (low/n	ned)	LOW			Dat	te Receiv	ed:	10/16/08	3	
% Moisture: r	not dec.				Dat	e Analyz	ed:	10/23/08	3	····
GC Column:	DB-VR	X ID: C).18 (n	nm)	Dilu	ıtion Fac	tor:	1.0		_
Soil Extract V	olume:		(uL)		Soi	Aliquot	Volu	me:		_ (uL)
				CON	NCENTRATION UNITS:					
Number TICs	found:	0		(ug/l	or ug/Kg)	UG/	L			
CAS NO.		СОМРО	UND NAI	ME		RT	ES	T. CONC) .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name:	CAS RO	OCH			Contract:	IT-Latham		
Lab Code:	10145	C	ase No.:	R8-46549	SAS No	.: s	SDG No.: MRFA	INF
Matrix: (soil/w	ater)	WATER			Lat	Sample ID:	1144857 1.0	
Sample wt/vo	l:	25.0	_ (g/ml)	ML	Lat	File ID:	W2467.D	-
Level: (low/m	ed)	LOW			Dat	e Received:	10/16/08	_
% Moisture: n	ot dec.				Dat	e Analyzed:	10/23/08	_
GC Column:	DB-VF	<u> X</u> ID: <u>0</u>	.18_ (m	nm)	Dilu	ition Factor:	1.0	•
Soil Extract V	olume:		(uL)		Soi	Aliquot Volu	ıme:	(uL)

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	٦
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

EPA SAMPLE NO.

DGC-3S

CAS RO	CH		Contract:	IT-Latham	
10145	Ca	se No.: <u>R8-46549</u>	SAS No	.: 8	SDG No.: MRFA INF
vater)	WATER	_	Lat	Sample ID:	1144857 1.0
d:	25.0	(g/ml) ML	Lat	File ID:	W2467.D
ned)	LOW	_	Dat	te Received:	10/16/08
not dec.			Dat	te Analyzed:	10/23/08
DB-VF	<u>RX</u> ID: <u>0.</u>	18 (mm)	Dilu	ution Factor:	1.0
olume:	 	(uL)	Soi	l Aliquot Volu	ume: (uL
	10145 vater) ol: ned) not dec. DB-VF	vater) WATER 25.0 ned) LOW not dec. DB-VRX ID: 0.	10145 Case No.: R8-46549 vater) WATER ol: 25.0 (g/ml) ML ned) LOW not dec.	10145 Case No.: R8-46549 SAS No vater) Vater) WATER Lab bl: 25.0 (g/ml) ML Lab ned) LOW Dat not dec. Dat Dilu DB-VRX ID: 0.18 (mm) Dilu	10145 Case No.: R8-46549 SAS No.: <

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
106-46-7	1,4-Dichlorobenz	ene		1	U	
95-50-1	1,2-Dichlorobenz		1	U		
96-12-8	1,2-Dibromo-3-cl	1,2-Dibromo-3-chloropropane				
120-82-1	1,2,4-Trichlorobe	nzene		1	U	
87-68-3	Hexachlorobutad	Hexachlorobutadiene				
87-61-6	1.2.3-Trichlorobe		1	11		

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	OCH	Contract: IT-Latham						DGC-3S		
Lab Code:	10145	Ca	se No.:	R8-46549	SAS N	o.:	SD	G No.:	MRFA	INF
Matrix: (soil/v	water)	WATER	_		La	b Samp	le ID: 1	144857	7 1.0	
Sample wt/vo	ol:	25.0	(g/mi)	ML	La	b File IC):	N2467.I)	
Level: (low/n	ned)	LOW	_		Da	ite Rece	ived: 1	0/16/08	3	-
% Moisture: ı	not dec.				Da	ite Analy	/zed: 1	0/23/08	}	-
GC Column:	DB-VF	X ID: 0.	<u>18</u> (mi	m)	Dil	ution Fa	ctor: 1	.0		-
Soil Extract V	/olume:		_ (uL)		So	il Aliquo	t Volum	e:		_ (uL)
			DNCENTRATION UNITS:							
Number TICs	found:	0		(ug/l	_ or ug/Kg)	UG	S/L			
CAS NO.		COMPOU	ND NAM	E		RT	EST	. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-F

Lab Name:	CAS RO	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SDG No.: MRFA	NF
Matrix: (soil/v	vater)	WATER	2		Lat	Sample ID): 1144858 1.0	····
Sample wt/vo	ol:	25.0	(g/mi)	ML	Lat	File ID:	W2468.D	
Level: (low/n	ned)	LOW			Dat	te Received	l: <u>10/16/08</u>	
% Moisture: r	not dec.				Dat	te Analyzed	: 10/23/08	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor	: 1.0	
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Vo	lume:	(uL)

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	Ū
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	Ū
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachioroethane	1	Ū
75-25-2	Bromoform	1	Ū
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-F

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Lab Name:	CAS RO	OCH			Contract:	IT-Latham	<u> </u>			
Lab Code:	10145	Cas	se No.: R8-	46549	SAS No).:	SDG N	lo.:	MRFA I	NF
Matrix: (soil/v	vater)	WATER	_		Lal	b Sample II	D: <u>114</u> 4	4858	3 1.0	·
Sample wt/vo	ol:	25.0	(g/ml) ML	-	Lal	b File ID:	W24	1.89	<u> </u>	
Level: (low/n	ned)	LOW	_		Da	te Received	d: <u>10/1</u>	6/08	3	
% Moisture: ı	not dec.				Da	te Analyzed	i: <u>10/2</u>	3/08	3	
GC Column:	DB-VF	X ID: <u>0.1</u>	8 (mm)		Dile	ution Factor	r: <u>1.0</u>			
Soil Extract V	/olume:		_ (uL)		Soi	il Aliquot Vo	olume:			(uL)
				CONC	ENTRAT	ION UNITS	S :			
CAS NO).	COMPO	DUND	(ug/L	or ug/Kg)	UG/L			Q	
106-46	 3-7	1,4-Di	chlorobenze	ene				1	U	
95-50-	1	1,2-Di	chlorobenze	ene				1	U	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAI	MPL	E.	NO).
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Lab Name:	CAS RO	СН			Contract:	IT-Lath	am		244-L	
Lab Code:	10145	c	ase No.:	R8-46549	SAS No	.:	s	DG No.:	MRFA	INF
Matrix: (soil/w	ater)	WATER			Lat	Sample	e ID:	1144858	3 1.0	
Sample wt/vol	l :	25.0	_ (g/ml)	ML	Lat	File ID:	;	W2468.i	D	
Level: (low/m	ed)	LOW			Dat	e Recei	ved:	10/16/08	3	
% Moisture: no	ot dec.				Dat	e Analy	zed:	10/23/08	3	_
GC Column:	DB-VR	X ID: 0	.18 (n	nm)	Dilu	ition Fac	ctor:	1.0		_
Soil Extract Vo	olume:		(uL)		Soil	Aliquot	Volu	me:		_ (uL)
				CON	CENTRAT	ION UN	ITS:			
Number TICs 1	found:	0	_	(ug/L	or ug/Kg)	UG	/L			
CAS NO.		СОМРО	UND NAI	ME		RT	ES	T. CONC	······································	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	ОСН		Contract:	IT-Latham	SW-G
Lab Code:	10145		Case No.: R8-46549	SAS No	.: S	DG No.: MRFA INF
Matrix: (soil/v	water)	WATE	R	Lat	Sample ID:	1144859 1.0
Sample wt/vo	oi:	25.0	(g/ml) ML	Lat	File ID:	W2469.D
Level: (low/n	ned)	LOW		Dat	te Received:	10/16/08
% Moisture: r	not dec.			Dat	te Analyzed:	10/23/08
GC Column:	DB-VF	RX ID:	<u>0.18</u> (mm)	Dilu	ition Factor:	1.0
Soil Extract V	/olume:		(uL)	Soil	Aliquot Volu	me: (uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	Ü
75-01-4	Vinyl Chloride	1	Ū
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	Ü
75-69-4	Trichlorofluoromethane	1	Ū
75-35-4	1,1-Dichloroethene	1	Ū
67-64-1	Acetone	1	J
75-15-0	Carbon Disulfide	1	Ū
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	Ü
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	Ü
71-43-2	Benzene	1	Ū
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	Ū
79-00-5	1,1,2-Trichloroethane	1	Ū
127-18-4	Tetrachloroethene	1	Ū
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	OCH			Contract:	IT-Latham	_	
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	.: s	DG No.:	MRFA INF
Matrix: (soil/v	vater)	WATER	_		Lal	Sample ID:	1144859	€ 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	File ID:	W2469.I	<u> </u>
Level: (low/n	ned)	LOW			Da	te Received:	10/16/08	}
% Moisture: ı	not dec.				Da	te Analyzed:	10/23/08	}
GC Column:	DB-VI	RX ID: 0.	18 (m	m)	Dilu	ution Factor:	1.0	···
Soil Extract \	/olume: (uL)		Soil Aliquot Volume:			(uL)		
				CON	ICENTRAT	ON LINITS:		

UG/L

(ug/L or ug/Kg)

106-46-7	1,4-Dichlorobenzene	4	11
95-50-1	1,2-Dichlorobenzene	1	Ü
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

COMPOUND

CAS NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO.
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Lab Name: CAS ROCH					Contract: IT-Latham					
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	s	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	<u> </u>		Lal	Sampl	e ID:	1144859	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML.	Lat	File ID	:	W2469.I	D .	_
Level: (low/n	ned)	LOW			Dat	le Rece	ived:	10/16/08	3	_
% Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm)				Date Analyzed:			10/23/08	3		
				Dilu	ution Fa	ctor:	1.0	· · · · · · · · · · · · · · · · · · ·	_	
Soil Extract V	/olume:		(uL)		Soi	Aliquo	t Volu	me:		_ (uL)
			CONCENTRATION UNITS:							
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	6/L			
CAS NO.		COMP	IAN DNUC	ME .		RT	ES	T. CONC) .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE NO
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Lab Name: <u>C/</u>	AS ROCH		Contract: IT-Latha	m SVI-A
Lab Name: CAS ROCH Contract: IT-Latham	SDG No.: MRFA INF			
Matrix: (soil/wate	er) <u>WATE</u>	<u>R</u>	Lab Sample	ID: <u>1144860 1.0</u>
Sample wt/vol:	25.0	(g/ml) <u>ML</u>	Lab File ID:	W2470.D
Level: (low/med) <u>LOW</u>	*****************	Date Receive	ed: 10/16/08
% Moisture: not	dec		Date Analyzo	ed: 10/23/08
GC Column:	B-VRX ID:	<u>0.18</u> (mm)	Dilution Fact	or: <u>1.0</u>
Soil Extract Volu	me:	(uL)	Soil Aliquot \	/olume: (uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	Ū
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	C
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	Ū
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	<u> </u>	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	OCH			Contract:	IT-Latham	_ L	
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	o.: S	SDG No.:	MRFA INF
Matrix: (soil/	water)	WATER	_		La	b Sample ID:	1144860	0 1.0
Sample wt/ve	ol:	25.0	(g/mi)	ML	Lai	b File ID:	W2470.	<u> </u>
Level: (low/r	ned)	LOW	_		Da	te Received:	10/16/08	3
% Moisture:	not dec.				Da	te Analyzed:	10/23/08	3
GC Column:	DB-V	RX ID: <u>0.1</u>	8 (m	m)	Dile	ution Factor:	1.0	
Soil Extract \	/olume:		_ (uL)		Soi	il Aliquot Volu	ıme:	(uL
				CON	CENTRAT	ION UNITS:		

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name:	CAS RO	OCH			Contract:	IT-Lath	am		311-A	
Lab Code:	10145	(Case No.:	R8-46549	SAS No	.:	s	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			Lat	Sample	e ID:	1144860	1.0	-
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID	:	W2470.I)	_
Level: (low/n	ned)	LOW			Dat	e Recei	ved:	10/16/08	3	_
% Moisture:	not dec.		-		Dat	e Analy	zed:	10/23/08	3	_
GC Column:	DB-VF	X ID:	0.18 (m	nm)	Dilu	ition Fac	ctor:	1.0		_
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volu	me:		_ (uL)
				CON	CENTRAT	ION UN	ITS:			
Number TiCs	found:	0		(ug/l	or ug/Kg)	UG	/L	·····		
CAS NO.		COMPO	OUND NAI	ΜE		RT	ES	T. CONC	· ·	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAN	IPLE	NO.
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Lab Name:	CAS RO	DCH			Contract:	IT-Latham		
Lab Code:	10145	с	ase No.:	R8-46549	SAS No	.: s	DG No.: MRFA I	NF
Matrix: (soil/w	vater)	WATER			Lat	Sample ID:	1144861 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:	W2471.D	
Level: (low/m	ned)	LOW			Dat	e Received:	10/16/08	
% Moisture: r	not dec.	·	·		Dat	e Analyzed:	10/23/08	
GC Column:	DB-VF	<u> </u>	.18_ (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	Aliquot Volu	me:	(uL)

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	Ū
106-93-4	1,2-Dibromoethane	1	Ū
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ū
1330-20-7	(m+p) Xylene	1	Ŭ
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ū
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	T U
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4D

Lab Name:	CAS RO	ОСН		Contract:	IT-Latham	4.5
Lab Code:	10145	Cas	se No.: R8-46549	SAS No	.: s	DG No.: MRFA INF
Matrix: (soil/v	water)	WATER	_	Lat	Sample ID:	1144861 1.0
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	W2471.D
Level: (low/n	ned)	LOW ·	_	Dat	te Received:	10/16/08
% Moisture: ı	not dec.	• .		Dat	te Analyzed:	10/23/08
GC Column:	DB-VF	RX ID: 0.1	18 (mm)	Dilu	ution Factor:	1.0
Soil Extract \	/olume:		(uL)	Soi	l Aliquet Volu	me: (ul

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1	U
95-50-1	1,2-Dichloroben	zene		1	U
96-12-8	1,2-Dibromo-3-0	chloropropane		1	U
120-82-1	1,2,4-Trichlorob	enzene		1	J
87-68-3	Hexachlorobuta	diene		1	U
87-61-6	1,2,3-Trichlorob	enzene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

Lab Name:	CAS RO	CH	s.,		Contract:	IT-Lath	am			
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SE	OG No.:	MRFA	INF
Matrix: (soil/w	/ater)	WATER	<u> </u>		Lat	Sample	e ID:	1144861	1 1.0	
Sample wt/vo	l :	25.0	(g/ml)	ML	Lat	File ID:	: '	W2471.I	D	_
Level: (low/m	ied)	LOW			Dat	e Recei	ved:	10/16/08	3	_
% Moisture: n	ot dec.	····			Dat	e Analy	zed: _	10/23/08	3	_
GC Column:	DB-VF	X ID:	<u>0.18</u> (n	nm)	Dilu	ition Fac	ctor: _	1.0		_
Soil Extract V	olume:	. <u></u>	(uL)		Soi	l Aliquot	Volum	ne:		_ (uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	/L			
CAS NO.		COMP	OUND NAI	ME		RT	EST	r. conc).	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	ОСН			Contract: IT-Latham	M-25L	
Lab Code:	10145	Ca	ase No.:	R8-46549	SAS No.:	SDG No.: MRF	A INF
Matrix: (soil/wa	ater)	WATER			Lab Sample ID:	1144862 2.5	
Sample wt/vol	:	25.0	_ (g/ml)	ML	Lab File ID:	W2472.D	
Level: (low/m	ed)	LOW	_		Date Received:	10/16/08	_
% Moisture: no	ot dec.				Date Analyzed:	10/23/08	
GC Column:	DB-VF	<u> XX</u> ID: <u>0</u> .	18 (n	nm)	Dilution Factor:	4.0 2.5	DL 12-2-8
Soil Extract Vo	olume:		(uL)		Soil Aliquot Volu	ume:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	Ū
74-83-9	Bromomethane	2	Ü
75-00-3	Chloroethane	2	Ū
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	Ū
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	Ū
1330-20-7	o-Xylene	2	Ŭ
100-42-5	Styrene	2	Ū
79-34-5	1,1,2,2-Tetrachloroethane	2	Ü
75-25-2	Bromoform	2	Ü
541-73-1	1,3-Dichlorobenzene	2	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name:	CAS R	OCH			Contract:	IT-Latham					
Lab Code:	10145		Case No.:	R8-46549	SAS No	o.:	SDG	No.:	MRFA	INF	
Matrix: (soil/\	water)	WATER	<u> </u>		La	b Sample IE): <u>114</u>	4862	2 2.5		
Sample wt/ve	ol:	25.0	(g/ml)	ML	La	b File ID:	W24	472.1	כ	_	
Level: (low/r	med)	LOW			Da	te Received	i: <u>10/1</u>	6/08	3	_	
% Moisture:	not dec.				Da	te Analyzed	l: <u>10/2</u>	23/08	3		
GC Column:	DB-V	RX ID:	<u>0.18</u> (m	ım)	Dik	ution Factor	: 4.0	2.1	5	DL 12-2	2-8
Soil Extract \	/olume:	***	(uL)		So	il Aliquot Vo	lume:			_ _ (uL))
				CON	ICENTRAT	TION UNITS	:				
CAS NO).	COM	IPOUND	(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	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS R	OCH			Contract:	IT-Lat	ham		M-25D)
Lab Code:	10145	Ca	ase No.: R	8-46549	SAS No	o.:	SI	DG No.:	MRF	A INF
Matrix: (soil/v	vater)	WATER			La	b Samp	le ID:	1144862	2 2.5	
Sample wt/vo	ol:	25.0	_ (g/ml) <u>M</u>	IL	La	b File IC);	W2472.I	D	
Levei: (low/n	ned)	LOW			Da	te Rece	eived:	10/16/08	3	_
% Moisture: r	not dec.	-			Da	te Anaiy	/zed:	10/23/08	3	
GC Column:	DB-VI	RX ID: 0.	18 (mm))	Dil	ution Fa	ctor: -	1.0 Z.	5	DL 12-2-1
Soil Extract V	Soil Extract Volume:		_ (uL)		So	il Aliquo	t Volun	ne:		_ _ (uL)
				CON	CENTRAT	ON UN	NITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UC	9/L	of the same and		
CAS NO.		COMPOL	IND NAME		****	RT	EST	T. CONC	·	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25DDL

Lab Name:	CAS RO	DCH			Contract:	IT-Latham	_		
Lab Code:	10145	Ca	se No.: _f	R8-46549	SAS No	.: \$	SDG No.:	MRFA II	NF
Matrix: (soil/v	vater)	WATER	_		Lat	Sample ID:	1144862	5.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2479.E)	
Level: (low/n	ned)	LOW	_		Dat	e Received:	10/16/08		
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.1</u>	18 (mr	n)	Dilu	ıtion Factor:	5.0		
Soil Extract V	olume:		_ (uL)		Soi	Aliquot Volu	ume:		(uL)

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			
75-69-4	Trichlorofluorometha	ane	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-Dichloroet	hene	5	U		
75-34-3	1,1-Dichloroethane		5	U		
156-59-2	cis-1,2-Dichloroethe	ne	0.8	JD		
78-93-3	2-Butanone					
74-97-5	Bromochloromethan	Bromochloromethane				
67-66-3	Chloroform					
107-06-2	1,2-Dichloroethane					
71-55-6	1,1,1-Trichloroethan	5	U			
56-23-5	Carbon Tetrachloride	51	D			
71-43-2	Benzene	5	U			
79-01-6	Trichloroethene					
78-87-5	1,2-Dichloropropane		5	U		
75-27-4	Bromodichlorometha		5	U		
10061-01-5	cis-1,3-Dichloroprop		5	U		
108-10-1	4-Methyl-2-Pentanor		25	U		
108-88-3	Toluene		5	U		
10061-02-6	trans-1,3-Dichloropro	opene	5	Ū		
79-00-5	1,1,2-Trichloroethan		5	U		
127-18-4	Tetrachloroethene		5	U		
591-78-6	2-Hexanone		25	U		
124-48-1	Dibromochlorometha	ne	5	Ü		
106-93-4	1,2-Dibromoethane		5	Ü		
108-90-7	Chlorobenzene	.	5	Ü		
100-41-4	Ethylbenzene		5	Ü		
1330-20-7	(m+p) Xylene					
1330-20-7	o-Xylene		5	U		
100-42-5	Styrene		5	Ü		
79-34-5	1,1,2,2-Tetrachloroet	hane	5	Ü		
75-25-2	Bromoform		5	Ü		
541-73-1	1,3-Dichlorobenzene	·	5	Ü		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: <u>C</u> A	AS ROCH			Contract:	IT-Latham	_		
Lab Code: <u>10</u>	145 (Case No.: _	R8-46549	SAS No	: S	SDG No.:	MRFA	NF
Matrix: (soil/wate	er) <u>WATER</u>	<u> </u>		Lat	Sample ID:	114486	2 5.0	
Sample wt/vol:	25.0	(g/ml)	ML	Lat	File ID:	W2479	.D	
_evel: (low/med)) LOW			Dat	te Received:	10/16/0	8	
% Moisture: not o	dec.			Dat	te Analyzed:	10/23/0	8	
GC Column: D	B-VRX ID:	0.18 (mi	m)	Dile	ution Factor:	5.0		
Soil Extract Volui	me:	(uL)		Soi	l Aliquot Volu	ıme:		(uL)
			CON	CENTRAT	ION UNITS:			
CAS NO.	COM	POUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-7	1,4	-Dichlorobe	nzene			5	U	\neg
95-50-1	1,2-	Dichlorobe	nzene			5	U	\neg

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

87-68-3

87-61-6

120-82-1

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: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: CAS NO. **COMPOUND NAME** RT EST. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SA	MP	ΙF	NO
	\mathbf{v}	MAN		110

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Lab Name:	CAS R	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: S	SDG No.: MRFA	INF
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1144863 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2473.D	
Level: (low/n	ned)	LOW			Dat	e Received:	10/16/08	•
% Moisture: r	not dec.	4			Dat	e Analyzed:	10/23/08	
GC Column:	DB-VF	<u>RX</u> ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	1.0	•
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ime:	(uL

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	Ü
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	Ü
67-64-1	Acetone	1	J
75-15-0	Carbon Disulfide	1	Ü
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ü
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	Ü
78-93-3	2-Butanone	5	Ü
74-97-5	Bromochloromethane	1	Ü
67-66-3	Chloroform	1	Ü
107-06-2	1,2-Dichloroethane	1	Ü
71-55-6	1,1,1-Trichloroethane	1	Ŭ
56-23-5	Carbon Tetrachloride	1	Ü
71-43-2	Benzene	1	Ü
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	Ü
75-27-4	Bromodichloromethane	1	Ü
10061-01-5	cis-1,3-Dichloropropene	1	Ü
108-10-1	4-Methyl-2-Pentanone	5	Ü
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	Ü
79-00-5	1,1,2-Trichloroethane	1	Ū
127-18-4	Tetrachloroethene	1	Ü
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	Ü
100-41-4	Ethylbenzene	1	Ü
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	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name:	CAS RO	OCH			Contract:	IT-Latham	_ L		
Lab Code:	10145	c	ase No.:	R8-46549	SAS No	.: 8	SDG No.:	MRFA I	NF
Matrix: (soil/v	water)	WATER			Lat	Sample ID:	1144863	3 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:	W2473.	D	
Level: (low/n	ned)	LOW			Dat	e Received:	10/16/08	3	
% Moisture: r	not dec.		·		Dat	e Analyzed:	10/23/08	3	
GC Column:	DB-VF	<u> X</u> ID: <u>0</u>	<u>.18</u> (n	nm)	Dilu	ıtion Factor:	1.0		
Soil Extract Volume:			(uL)		Soil	Aliquot Volu	ıme:		(uL)
				CON	ICENTRAT	ION UNITS:			
CAS NO).	COME	OUND	(ug/L	or ug/Kg)	UG/L		Q	

	(0 0 0 0		_
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	Ū
96-12-8	1,2-Dibromo-3-chloropropane	1	Ū
120-82-1	1,2,4-Trichlorobenzene	1	Ū
87-68-3	Hexachlorobutadiene	1	Ū

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	ОСН			Contract:	IT-Lati	ham	TRI	P BLAI	NK
Lab Code:	10145	c	ase No.:	R8-46549	SAS No).:	SD	G No.:	MRFA	INF
Matrix: (soil/w	vater)	WATER			Lai	b Sampl	 le ID: 1	144863	3 1.0	·
Sample wt/vo	l:	25.0	(g/ml)	ML	Lal	File ID	: V	V2473.[<u> </u>	
Level: (low/m	ned)	LOW	·		Da	te Rece	ived: 1	0/16/08	3	-
% Moisture: n	ot dec.				Dat	te Analy	zed: 1	0/23/08	}	-
GC Column:	DB-VR	X ID: 0).18 (m	nm)	Dilu	ution Fa	ctor: 1	.0		-
Soil Extract V	olume: _		(uL)		Soi	l Aliquot	Volum	e:		(uL)
				CON	ICENTRAT	ION UN	IITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	i/L	-		
CAS NO.		СОМРО	UND NAM	ИE		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-D Lab Name: CAS ROCH Contract: IT-Latham SAS No.: SDG No.: MRFA INF Lab Code: 10145 Case No.: R8-46549 Matrix: (soil/water) Lab Sample ID: 1146625 1.0 WATER 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: Soil Aliquot Volume: (uL)

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	Ū				
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	Ü				
79-01-6	Trichloroethene	1	Ŭ				
78-87-5	1,2-Dichloropropane	1	Ū				
75-27-4	Bromodichloromethane	1	Ū				
10061-01-5	cis-1,3-Dichloropropene	1	Ū				
108-10-1	4-Methyl-2-Pentanone	5	Ū				
108-88-3	Toluene	1	Ū				
10061-02-6	trans-1,3-Dichloropropene	1	Ü				
79-00-5	1,1,2-Trichloroethane	1	Ū				
127-18-4	Tetrachloroethene	1	Ü				
591-78-6	2-Hexanone	5	U				
124-48-1	Dibromochloromethane	1	Ū				
106-93-4	1,2-Dibromoethane	1	Ū				
108-90-7	Chlorobenzene	1	U				
100-41-4	Ethylbenzene	1	Ū				
1330-20-7	(m+p) Xylene	1	Ü				
1330-20-7	o-Xylene	1	Ü				
100-42-5	Styrene	1	Ü				
79-34-5	1,1,2,2-Tetrachloroethane						
75-25-2	Bromoform	1	U				
541-73-1	1,3-Dichlorobenzene	1	U				

96-12-8

87-68-3

87-61-6

120-82-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name:	CAS RO	ОСН		Co	ntract: I	Г-Latham		SW-D	
Lab Code:	10145		Case No.: R	3-46549	SAS No.:	S	DG No.:	MRFA	INF
Matrix: (soil/	water)	WATER	3		Lab S	ample ID:	1146625	5 1.0	
Sample wt/ve	ol:	25.0	(g/mi) N	IL	Lab F	ile ID:	W2679.I	D	
Level: (low/r	med)	LOW			Date l	Received:	10/22/08	3	
% Moisture:	not dec.				Date /	Analyzed:	10/30/08	3	
GC Column:	DB-VF	XX ID:	0.18 (mm))	Dilutio	n Factor:	1.0		
Soil Extract \	/olume:		(uL)		Soil A	liquot Volu	me:		(uL)
•				CONCE	NTRATIO	N UNITS:			
CAS NO) .	COM	POUND	(ug/L or	ug/Kg)	UG/L		Q	
106-46	S-7	1,4	-Dichlorobenz	ene		1 .	1	U	\neg
95-50-	1	1.2	-Dichlorobenz	ene			1	1 11	\dashv

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO.
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Lab Name:	CAS RO	OCH			Contract:	IT-Lat	ham	_	2M-D	
Lab Code:	10145	с	ase No.:	R8-46549	SAS No).:	SI	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			Lal	b Samp	le ID:	1146625	5 1.0	
Sample wt/vo	ો :	25.0	_ (g/ml)	ML	_ Lai	b File IC) :	W2679.I	D	
Level: (low/n	ned)	LOW			Da	te Rece	eived:	10/22/08	3	-
% Moisture: r	not dec.				Dat	te Anal	yzed:	10/30/08	3	_
GC Column:	DB-VF	<u> </u>).18 (n	nm)	Dilu	ution Fa	actor:	1.0		_
Soil Extract V	/olume:		(uL)		Soi	il Aliquo	t Volur	me:		- _ (uL)
				CON	CONCENTRATION UNITS:					
Number TICs	found:	0		(ug/l	L or ug/Kg)	<u>U</u>	G/L			
CAS NO.		СОМРО	UND NAI	ME		RT	ES	T. CONC).	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>C</u>	AS RO	СН		Contract:	IT-Latham	
Lab Code: 10	0145	Cas	se No.: <u>R8-46549</u>	SAS No.	.:S	DG No.: MRFA INF
Matrix: (soil/wat	ter)	WATER	-	Lab	Sample ID:	1146626 1.0
Sample wt/vol:		25.0	(g/ml) ML	Lab	File ID:	W2680.D
Level: (low/med	d)	LOW	•	Dat	e Received:	10/22/08
% Moisture: not	t dec.			Date	e Analyzed:	10/30/08
GC Column: 1	DB-VR	X ID: <u>0.1</u>	18_ (mm)	Dilu	ıtion Factor:	1.0
Soil Extract Volu	ume: _	V	_ (uL)	Soil	Aliquot Volui	me: (uL

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-E

Lab Name:	CAS R	OCH			Contract:	IT-Latham		
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	.: S	SDG No.:	MRFA INF
Matrix: (soil/v	vater)	WATER	_		Lat	Sample ID:	1146626	6 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2680.I	D
Level: (low/n	ned)	LOW	_		Dat	te Received:	10/22/08	3
% Moisture: ı	not dec.				Dat	te Analyzed:	10/30/08	3
GC Column:	DB-VI	RX ID: 0.	18 (n	nm)	Dilu	ution Factor:	1.0	·····
Soil Extract Volume:			(uL)		Soil Aliquot Volume:		(uL	
					·			

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO)
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Lab Name:	CAS RO	OCH			Contract:	IT-Lath	am	_	244-E	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SI	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	₹		Lal	Sample	ID:	1146626	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:		W2680.I	D	_
Level: (low/n	ned)	LOW			Dat	te Receiv	/ed:	10/22/08	3	
% Moisture: r	not dec.				Dat	te Analyz	ed:	10/30/08	3	_
GC Column:	DB-VF	X ID:	<u>0.18</u> (n	nm)	Dilu	ution Fac	tor:	1.0		
Soil Extract V	olume:		(uL)		Soi	l Aliquot	Volur	me:		(uL)
·				CON	ICENTRAT	ION UNI	TS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	L			
CAS NO.		COMP	OUND NAI	ΜE	-	RT	ES.	T. CONC).	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	ОСН			Contract:	IT-Latham	I RIP BLANI	K
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: S	DG No.: MRFA	NF
Matrix: (soil/v	water)	WATE	R		Lab	Sample ID:	1146627 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2681.D	
Levei: (low/n	ned)	LOW			Dat	e Received:	10/22/08	
% Moisture: r	not dec.		·		Dat	e Analyzed:	10/30/08	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soil	Aliquot Volu	me:	(uL

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

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

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Lab Name:	CAS RO	OCH		Contract:	IT-Latham	IKI	IP BLAN	
Lab Code:	10145	Case	No.: R8-	46549 SAS No).: §	SDG No.:	MRFA I	NF
Matrix: (soil/\	water)	WATER		Lal	b Sample ID:	114662	7 1.0	
Sample wt/vo	oi:	25.0	(g/ml) ML	Lal	b File ID:	W2681.	D	
Level: (low/n	ned)	LOW		Da	te Received:	10/22/0	B	
% Moisture: ı	not dec.			Da	te Analyzed:	10/30/08	3	
GC Column:	DB-VF	<u> </u>	(mm)	Dile	ution Factor:	1.0		
Soil Extract V	/olume:		(uL)	Soi	il Aliquot Volu	ıme:		(uL)
				CONCENTRAT	TON UNITS:			
CAS NO) .	COMPOL	JND	(ug/L or ug/Kg)	UG/L		Q	
106-46	3-7	1,4-Dich	lorobenze	ene		1	U	\neg
95-50-	1		lorobenze			1	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPL	E NO
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Lab Name:	CAS R	OCH			Contract:	IT-Lat	nam	TRI	P BLA	NK
Lab Code:	10145	C:	ase No.: _	R8-46549	SAS No).:	SD	G No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			La	o Samp	e ID: 1	146627	7 1.0	
Sample wt/vo	oi:	25.0	_ (g/mi)	ML	Lal	File ID	: <u>v</u>	V2681.I)	
Level: (low/n	ned)	LOW			Da	te Rece	ived: 1	0/22/08	3	
% Moisture: r	not dec.				Da	te Analy	zed: 1	0/30/08	3	- ,
GC Column:	DB-VF	<u> </u>	.18 (mr	n)	Dilu	ution Fa	ctor: 1	.0		_
Soil Extract V	olume:		(uL)		Soi	l Aliquo	Volume	ə:		_ _ (uL)
				CON	CENTRAT	ION UN	IITS:	•		
Number TICs	found:	0	_	(ug/L	or ug/Kg)	UG	i/L			
CAS NO.		COMPOL	JND NAM	E		RT	EST.	CONC	·	Q

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

_				
ſ	EPA	SMC1	TOT	
	SAMPLE NO.	#	OUT	
01	VBLK01	95	0	
02	LCS01	107	0	
03	MRFA EFFLUE	T 100	0	
04	MRFA INFLUEN	r 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 INFLUEN	T 110	0	(MS) (MSD)
16	MRFA INFLUEN	111	0	(MSD)
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		101	0	_
25	TRIP BLANK	99	0	1
26	M-27D	99	0	
27	M-27DMS	110	0	_
28	M-27DMSD	109	0	_
29	M-25DDL	97	0	1
30	COOLER BLK	98	0	_[
31	LCS03	111	0	1
32	VBLK03	105	0	_
33	SW-D	102	0	J

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	SMC1	тот
Ĺ	SAMPLE NO.	#	OUT
34	SW-E	105	0
35	TRIP BLANK	107	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

METALS COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Code:	Case No.:			
		· ·	SAS No.:	
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		
	M-21D3	11440.0		
			4 · 4	
	•		•	
	:			
	•			
re ICP intere	lement corrections applied?		Yes/No YES	
re ICP backgr	ound corrections applied?		Yes/No YES	
If yes-wer	e raw data generated before		- 4	
application	on of background corrections?		Yes/No NO	
mments: Se	e Attatched Case Narrative			
	M = M = M	me: Michael Perry		
7.5 dunner		mm. mr.meer terri		
Signature:	Methers to learning			
ignature:/	Mehry to learn			
ignature:/	Methen to fem	itle: Laboratory Di		

SDG No.: MRFA INFLUE

-1-INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.	
13D	

Contract:	R2846549		13D	
Lab Code:	Case No.:	SAS No.:	SDG NO.:	MRFA INFLUENT
Matrix (so	il/water): WATER	Lab Sample ID:	1144404	·
Level (low		Date Received:	10/15/2008	·

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

CAS No.	Analyte	Concentration	С	Q	M
7440-47-3	Chromium	7.3	В		P

Color Befor	e: COLORLESS	Clarity Before:	CLEAR	Texture:			
Color After	: COLORLESS	Clarity After:	CLEAR	Artifacts:			
Comments:							

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO :	•

ontract:	R2846549			DUPE B	
b Code:		Case No.:	SAS No.:	SDG NO.:	MRFA INFLUENT
trix (so	il/water):	WATER	Lab Sample ID:	1144405	
vel (low	/med): Lo	OW .	Date Received:	10/15/2008	

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

CAS No.	Analyte	Concentration	С	Q	M
7440-47-3	Chromium	10.1			P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:			
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:			
Comments:							

-1-

INORGANIC ANALYSIS DATA SHEET

	SAMPLE	NO.
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l	
M-27D	
1 12-2/5	

Contract: R2846549

Lab Code:

Case No.:

SAS No.:

SDG NO.: MRFA INFLUENT

Matrix (soil/water):

WATER

Lab Sample ID: 1144407

Level (low/med):

Date Received: 10/15/2008

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

CAS No.	Analyte	Concentration	С	Q	М
7440-47-3	Chromium	0.810	В		P

Color B	efore:	COLORLESS	Clarity	Before:	CLEAR	Texture:	
Color A	fter:	COLORLESS	Clarity	After:	CLEAR	Artifacts:	
Comment	:s:						

-1-INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	 	
SW-B			

					SW-B		
Contract:	R2846549						
Lab Code:		Case No.:	SAS No.:		SDG NO.:	MRFA	INFLUENT
Matrix (so	oil/water):	WATER	Lab	Sample ID:	1144403		
Level (low	/med): LO	₩	Date	Received:	10/15/2008		
	_	······································					
						•	

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

CAS No.	Analyte	Concentration	С	Q	M
7440-47-3	Chromium	0.596	В		P

Color	Before:	COLORLESS	Clarity	Before:	CLEAR	Texture:	
Color	After:	COLORLESS	Clarity	After:	CLEAR	Artifacts:	
Commen	its:						

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

Client Sample ID : SW-B

Order #: 1144403

Date Sampled: 10/14/08 15:05 Date Received: 10/15/08 Submission #: R2846549 Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08 11:17 1.0

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 Submission #: R2846549 Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TI ANALYZED ANA	ME LYZED DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08 11	:17 1.0

Reported: 12/04/08

MG/L

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

7196A

0.0100

Client Sample ID : DUPE B

Date Sampled: 10/14/08 Date Received: 10/15/08

HEXAVALENT CHROMIUM

Order #: 1144405 Submission #: R2846549 Sample Matrix: WATER

10/15/08 11:17

					DATE TIME		
ANALYTE	METHOD	PQL	RESULT	UNITS	ANALYZED ANALYZ	ZED DILUTION	
		0.0100	0.0100.00	MG/L	10/15/08 11:17	1.0	

0.0100 U

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926 Client Sample ID: M-27D

Date Sampled: 10/14/08 14:45 Date Received: 10/15/08

Order #: 1144407 Submission #: R2846549

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08 11:17 1.0

3A 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

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	ADDED CONCENTRATION CONCENTRATION		%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD	V-107-i-V-10	·····	
	ADDED	CONCENTRATION	%	%	QCI	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	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
Tetrachioroethene	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SA	MPI	F	NO
	\mathcal{I}	MAIL F	_=	IVU.

Lab Name:	CAS ROCH			Contract:	IT-Latham	1	MRFA	InfluentMS
Lab Code:	10145	Case No.:	R8-46549	SAS No		SDC	3 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)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	14	T :
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	Ü
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	

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

							IM	KFA.	Intlu	entMS	1
Lab Name:	CAS RO	OCH			Contract:	IT-Lathan					
Lab Code:	10145	Са	se No.:	R8-46549	SAS No	o.:	SDG I	No.:	MRF/	A INF	
Matrix: (soil/v	water)	WATER	_		Lal	b Sample II	D: <u>115</u>	8563	2.5		
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	W24	459.E)		
Level: (low/n	ned)	LOW	_		Da	te Receive	d: 10/1	5/08	,		
% Moisture: ı	not dec.		-		Da	te Analyze	d: 10/2	23/08	,	_	
GC Column:	DB-VF	RX ID: 0.1	18 (m	nm)	Dile	ution Facto	r: 1:0	2.5		DL 12	:-2-8
Soil Extract V	/olume:		(uL)		Soi	il Aliquot Vo	olume:			(uL	.)
				CON	ICENTRAT	ION UNIT	S:				
CAS NO) .	COMPO	DUND	(ug/L	. or ug/Kg)	UG/L			Q	!	
106-46	3-7	1,4-Di	chlorobe	enzene			•	12	T		
95-50-	1	1,2-Di	chlorob	enzene			·	13			
96-12-	8	1,2-Di	bromo-3	3-chloropro	pane			12			
120-82	2-1			benzene	*			13			
87-68-	3			tadiene				11			

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA influentMSD

Lab Name:	CAS R	ОСН			Contract: IT-Latham	MRFA	nnuentmsv	
Lab Code:	10145		ase No.:	R8-46549	SAS No.:	SDG No.:	MRFA INF	
Matrix: (soil/v	vater)	WATER	_		Lab Sample ID:	1158564	2.5	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lab File ID:	W2460.E)	
Level: (low/n	ned)	LOW			Date Received:	10/15/08		
% Moisture: r	not dec.				Date Analyzed:	10/23/08		
GC Column:	DB-VF	RX ID: 0).18(m	nm)	Dilution Factor:	1.0 2.5	DL 12-2	
Soil Extract V	olume:		(uL)		Soil Aliquot Volu	ıme:	(uL)	

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	Ü
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	ОСН			Contract:	IT-Latham	MRFA	Influer	itMSD
Lab Code:	10145	Cas	e No.: <u>R</u> 8	3-46549	SAS No	.:	SDG No.:	MRFA	INF
Matrix: (soil/	water)	WATER			Lal	Sample ID	: 1158564	4 2.5	
Sample wt/ve	oi:	25.0	(g/mi) M	L	Lat	File ID:	W2460.	D	
Level: (low/r	med)	LOW		•	Dat	te Received	: 10/15/08	3	
% Moisture:	not dec.				Dat	te Analyzed:	10/23/08	3	-
GC Column:	DB-VI	RX ID: <u>0.1</u>	8 (mm)		Dile	tion Factor:	1.0 2.	5	DL 12-2-8
Soil Extract \	/olume:		(uL)		Soi	l Aliquot Vol	ume:		_ (uL)
				CON	CENTRAT	ION UNITS:	<u> </u>		
CAS NO).	COMPO	UND	(ua/L	or ua/Ka)	UG/L		Q	

ONO NO.	COMPOUND (U	gr. or ug/kg)	UG/L	Q	
106-46-7	1,4-Dichlorobenzene	400.00	12	7	
95-50-1	1,2-Dichlorobenzene		12		
96-12-8	1,2-Dibromo-3-chlorop	propane	12		
120-82-1	1,2,4-Trichlorobenzen		13		
87-68-3	Hexachlorobutadiene		11		
87-61-6	1,2,3-Trichlorobenzen				

3A 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

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QCI	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name:	CAS RO	DCH			Contract:	IT-Latham		
Lab Code:	10145	4 - 1 to - 45%	Case No.:	R8-46549	SAS No	.: (SDG No.: MRFA IN	<u>IF</u>
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample ID	: 1158598 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2475.D	
Level: (low/m	ned)	LOW	····		Dat	e Received:	: 10/15/08	
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume:	(uL

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 Chioride	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	Ū
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	<u> </u>			
Lab Code:	10145	Cas	se No.: R	8-46549	SAS No).:	SDG	No.:	MRFA	INF
Matrix: (soil/\	water)	WATER	_		La	b Sample II	D: <u>115</u>	58598	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	IL	Lal	b File ID:	W2	475.	D	
Level: (low/r	med)	LOW			Da	te Received	d: <u>10/</u>	15/08	3	
% Moisture:	not dec.				Da	te Analyzed	i: <u>10/</u> 2	23/08	3	_
GC Column:	DB-VF	<u>RX</u> ID: <u>0.1</u>	8 (mm))	Dile	ution Factor	: <u>1.0</u>			
Soil Extract \	/olume:		_ (uL)		Soi	il Aliquot Vo	lume:			_ (uĽ)
				CON	CENTRAT	ION UNITS	3 :			
CAS NO) .	COMPO	DUND	(ug/L	or ug/Kg)	UG/L		-	Q	
106-46	3-7	1,4-Die	chlorobenz	zene				5		
05 50	1	1.2 Di	chloroben:	zono				5		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMSD

Lab Name:	CAS RO	CH			Contract:	IT-Latham	1
Lab Code:	10145	C	ase No.:	R8-46549	SAS No.	•	SDG No.: MRFA INF
Matrix: (soil/w	vater)	WATER			Lat) Sample IE	D: <u>1158599</u> 1.0
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lab	File ID:	W2476.D
Level: (low/m	ned)	LOW			Dat	e Received	d: <u>10/15/08</u>
% Moisture: n	not dec.				Dat	e Analyzed	d: <u>10/23/08</u>
GC Column:	DB-VF	<u> </u>	<u>.18</u> (n	nm)	Dilu	ution Factor	: <u>1.0</u>
Soil Extract V	olume:		(uL)		Soil	l Aliquot Vo	olume:(uL

CAS NO.	COMPOUND (ug/L or ug/	Kg) <u>UG/L</u>	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	1
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	+
100-41-4	Ethylbenzene	5	1
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	M-	2/DMSI	ן י
Lab Code:	10145	Ca	ase No.:	R8-46549	SAS No).: §	BDG No.:	MRFA	INF
Matrix: (soil/	water)	WATER			La	b Sample ID:	115859	9 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lai	b File ID:	W2476.	D	
Level: (low/n	ned)	LOW	_		Da	te Received:	10/15/0	8	•
% Moisture:	not dec.				Da	te Analyzed:	10/23/0	B	
GC Column:	DB-VF	X ID: 0.	18 (n	nm)	Dile	ution Factor:	1.0		
Soil Extract V	/olume:		(uL)		Soi	il Aliquot Volu	ıme:		(uL)
•				CON	NCENTRAT	ION UNITS:			
CAS NO).	COMP	OUND	(ug/	L or ug/Kg)	UG/L		Q	
106-46	3-7	1,4-D	ichlorob	enzene		·	5		
95-50-	1	1,2-D	ichlorob	enzene			5		
96-12-	8.			3-chloropro	opane		5		_
120-82				obenzene			5		一
07.00		1	11 1				<u>~</u>	+	

1,2,3-Trichlorobenzene

87-61-6

METALS -5A-

SPIKE SAMPLE RECOVERY

,

·				M-27DS	
entract: R2846549	Case No.:	SAS No.:	· · · · · · · · · · · · · · · · · · ·	SDG NO.:	MRFA INFLUENT
atrix (soil/water):	WATER		Level	(low/med):	FOM
Solids for Sample:	100.0				

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

TG/L

Analyte	Control Limit %R	Spiked Result		c	Sample Result (SR)	Spike Added (SA)	%R	Q	м
Chromium	75 - 125		204.0		0.81 B	200.	0 102		P

METALS -5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAM	Lille	NO	•	

				M-27DA		
Contract: R2846549 Lab Code:	Case No.:	SAS		SDG NO.:	MRFA INFLUENT	,
Matrix (soil/water):	WATER		Level	(low/med):	TOM	

Concentration Units: ug/L

Ī	Analyte	Control Limit %R	Spiked Samp Result (SSI	. cl	Sampl Result	.e (SR)	C	Spike Added(SA)	%R	Q	м
i	Chromium			206.00		0.81	В	200.0	103		P

<i>iolumbia</i>	Anal	vtical	Services
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METALS -6-DUPLICATES

SAMPLE	NO.
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				M-27DD	
ab Code:	Case No.:	SAS No.:		SDG NO.:	MRFA INFLUENT
atrix (soil/water):	WATER		Level	(low/med):	FOM
Solids for Sample:	100.0	% S	olids for	Duplicate:	100.0

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 # : 16859

: 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

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No LCS01

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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
Tetrachioroethene	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:

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA	SAI	MPI	F	NO
\mathbf{L} Γ Λ		VIT L		IVO.

Lab Name:	CAS R	ОСН			Contract:	IT-Latham	LCS01	
Lab Code:	10145	(Case No.:	R8-46549	SAS No	.:s	DG No.: MRFA	INF
Matrix: (soil/	water)	WATER	<u> </u>		Lat	Sample ID:	1158562 1.0	
Sample wt/v	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2445.D	_
Level: (low/r	med)	LOW			Dat	te Received:		
% Moisture:	not dec.				Dat	te Analyzed:	10/22/08	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract \	/olume:		(uL)		Soi	l Aliquot Volu	me:	(uL

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	Ū
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	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name:	CAS RO	OCH			Contract:	IT-Latham		
Lab Code:	10145	C	ase No.:	R8-46549	SAS No).:	SDG No.: MRFA II	NF
Matrix: (soil/v	vater)	WATER			La	b Sample ID	e: <u>1158562 1.0</u>	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lal	b File ID:	W2445.D	
Level: (low/n	ned)	LOW	_		Da	te Received	•	
% Moisture: r	not dec.				Da	te Analyzed:	: 10/22/08	
GC Column:	DB-VF	<u> </u>	.18 (n	nm)	Dil	ution Factor:	: 1.0	
Soil Extract V	olume:		(uL)		Soi	il Aliquot Vol	lume:	(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorober	nzen e		5	
95-50-1	1,2-Dichlorober	zene		5	
96-12-8	1,2-Dibromo-3-	chloropropane		5	
120-82-1	1,2,4-Trichlorobenzene			5	
87-68-3	Hexachlorobuta	diene		4	
87-61-6	1,2,3-Trichlorob		5		

3A 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 LCS02

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS02

Lab Name:	CAS RO	CH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-46549	SAS No	•	SDG No.: MRFA I	NF
Matrix: (soil/w	vater)	WATE	R		Lat	Sample ID	: 1158597 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2464.D	
Level: (low/n	ned)	LOW			Dat	te Received	•	
% Moisture: r	not dec.				Dat	te Analyzed	: 10/23/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (n	nm)	Dilu	ution Factor	: 1.0	
Soil Extract V	olume:		(uL)		Soi	I Aliquot Vo	lume:	(uL

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	1
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name:	CAS R	OCH			Contract:	IT-Latham		
Lab Code:	10145	Cas	se No.:	R8-46549	SAS No	.:	SDG No.:	MRFA INF
Matrix: (soil/v	water)	WATER			Lal	Sample ID	: 1158597	7 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2464.I	D
Level: (low/n	ned)	LOW	-	•	Da	te Received	•	
% Moisture: ı	not dec.				Dat	te Analyzed:	10/23/08	3
GC Column:	DB-VI	RX ID: 0.1	18 (m	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		_ (uL)		Soi	l Aliquot Vol	ume:	(uL
				CON	ICENTRAT	ION HINITO		

CAS NO.	COMPOUND	(ug/L or ug/kg)	UG/L	Q
106-46-7	1,4-Dichlorober	nzene	5	T
95-50-1	1,2-Dichlorober	5		
96-12-8	1,2-Dibromo-3-	chloropropane	5	
120-82-1	1,2,4-Trichlorob	5		
87-68-3	Hexachlorobuta	5		
87-61-6	1,2,3-Trichlorob	5		

3A 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 LCS03

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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:

VOLATILE ORGANICS ANALYSIS DATA SHEET

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EPA	C A		_	N# 1
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Lab Name:	CAS RO	CH			Contract:	IT-Latham	_	
Lab Code:	10145	Ca	ase No.:	R8-46549	SAS No	.: \$	SDG No.:	MRFA INF
Matrix: (soil/w	vater)	WATER	_		Lab	Sample ID:	1158778	3 1.0
Sample wt/vo	d:	25.0	(g/ml)	ML	Lat	File ID:	W2676.	D
Levei: (low/m	ned)	LOW			Dat	e Received:		
% Moisture: r	not dec.				Dat	te Analyzed:	10/30/08	3
GC Column:	DB-VF	<u> X</u> ID: <u>0.</u>	18 (n	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Vol	ume:	(uL

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	7
75-15-0	Carbon Disulfide	1	כ
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLI

Lab Name:	CAS R	OCH			Contract:	IT-Latham		LCS03	
Lab Code:	10145	c	ase No.: R	3-46549	SAS No	.: 5	DG No.:	MRFA	INF
Matrix: (soil/	water)	WATER	<u> </u>		Lal	Sample ID:	115877	8 1.0	
Sample wt/ve	ol:	25.0	(g/ml) M	L	Lai	File ID:	W2676.	D	
Level: (low/r	ned)	LOW			Da	te Received:			•
% Moisture:	not dec.				Dat	te Analyzed:	10/30/0	8	•
GC Column:	DB-VF	RX ID: 0	.18 (mm))	Dilu	ıtion Factor:	1.0		•
Soil Extract \	/olume:		(uL)		Soi	l Aliquot Volu	ıme:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO).	COMF	POUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	5-7	1,4-[Dichlorobenz	ene			5		
95-50-	1	1,2-[Dichlorobenz	ene			5		
96-12-	8		Dibromo-3-cl		pane		5		-
120-82	<u>}-1</u>		-Trichlorobe		······		6	1	
87-68-	3		chlorobutad				5	1	\neg
87-61-	6		-Trichlorobe				5		\neg

METALS

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LABORATORY CONTROL SAMPLE

Contract:	R2846549		· ·	
Lab Code:		Case No.:	SAS No.:	SDG NO.: MRFA INFLUENT
Solid LCS	Source:			· · · · · · · · · · · · · · · · · · ·
Aqueous LO	S Source:	CPI		

	Aqueous	(ug/L)		Solid (mg/kg)				
Analyte	True	Found	%R	True	Found	C	Limits	€R
Chromium	200	200	100		1			

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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	Þ 1158564 2.5	W2460.D	1:45

COMMENTS

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name:	CAS RC	CH			Contract:	IT-Latham	
Lab Code:	10145		Case No.:	R8-46549	SAS No.	. (SDG No.: MRFA INF
Matrix: (soil/w	rater)	WATE	R		Lab	Sample ID	: 1158561 1.0
Sample wt/vo	l :	25.0	(g/ml)	ML	Lab	File ID:	W2444.D
Level: (low/m	ned)	LOW			Dat	e Received:	:
% Moisture: n	ot dec.				Dat	te Analyzed:	10/22/08
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	lume: (uL

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	111	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	11111	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	11	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	111	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	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE NO.
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Lab Name:	CAS RO	OCH			Contract:	TÌ	Γ-Latham	<u> </u>	VBLK01	
Lab Code:	10145	Cas	se No.: R8	-46549	SAS N	o.:	S	DG No.:	MRFA	INF
Matrix: (soil/w	vater)	WATER	-		Lé	ab S	Sample ID:			
Sample wt/vo	i:	25.0	(g/ml) Mi				ile ID:	W2444.	· · · · · · · · · · · · · · · · · · ·	
Level: (low/m	ned)	LOW			Dá	ate F	Received:			-
% Moisture: r	not dec.				Da	ate A	Analyzed:	10/22/08	3	-
GC Column:	DB-VR	X ID: 0.1	18 (mm)					1.0		-
Soil Extract V	olume:		(uL)		Sc	oil Al	liquot Volui	me:		(uL)
				CON	CENTRAT	TION	N UNITS:			
CAS NO	•	СОМРО	DUND		or ug/Kg)		UG/L	-	Q	
106-46	-7	1.4-Dic	chlorobenze		-			1	U	
95-50-1	1		chlorobenze					- i	1 11	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	OCH			Contract:	IT-Lath	nam	L	BLK01	1
Lab Code:	10145	C:	ase No.:	R8-46549	SAS No	.:	SI	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			Lal	Sampl	e ID:	1158561	1.0	
Sample wt/vo	i:	25.0	_ (g/ml)	ML	Lat	File ID	:	W2444.I)	
Level: (low/m	ned)	LOW	-		Dat	le Recei	ived:			-
% Moisture: r	ot dec.				Dat	e Analy	zed:	10/22/08	}	-
GC Column:	DB-VF	X ID: 0	.18 (m	m)	Dilu	ıtion Fa	ctor:	1.0		_
Soil Extract V	olume:	·····	(uL)		Soi	Aliquot	Volun	ne:		(uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0	_	(ug/L	or ug/Kg)	UG	i/L			
CAS NO.		COMPOL	JND NAM	1E		RT	ES1	Γ. CONC	•	Q

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: CAS ROCH

Contract: IT-Latham

SAS No.: SDG No.: MRFA INF

Lab Code:

10145

Case No.: R8-46549

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)

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Instrument ID: GCMS #6

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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

EPA SAMPLE NO.

VBLK02

Lab Name:	CAS R	OCH			Contract:	IT-Latham]
Lab Code:	10145		Case No.:	R8-46549	SAS No).:	SDG No.: MRFA	INF
Matrix: (soil/v	water)	WATER			Lai	b Sample ID	: 1158596 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	W2466.D	
Level: (low/n	med)	LOW			Da	te Received:	•	
% Moisture: ı	not dec.				Da	te Analyzed:	10/23/08	
GC Column:	DB-V	RX ID:	<u>0.18</u> (m	nm)	Dile	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Vol	ume:	(uL)

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	Ū
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO)CH		Contract: IT-Latham				VBLK02			
Lab Naille.	CAS RU	JUN			Contract:	11-Latha	m	L			
Lab Code:	10145	Ca	ase No.: R	3-46549	SAS No).:	SD	G No.:	MRFA	INF	
Matrix: (soil/v	vater)	WATER			Lal	Sample	ID: 1	158596	3 1.0	-	
Sample wt/vo	oi:	25.0	(g/ml) M	IL .	Lal	File ID:	V	V2466.I	D .		
Level: (low/m	ned)	LOW	_		Dat	te Receive	 ed:				
% Moisture: r	not dec.	-			Dat	te Analyze	ed: 1	0/23/08	3		
GC Column:	DB-VF	<u>X</u> ID: <u>0.</u>	18 (mm))	Dilu	ution Facto	or: 1.	.0			
Soil Extract V	olume:	(uL)			Soi	l Aliquot V	olume	ə:		(uL)	
				CON	NCENTRATION UNITS:						
CAS NO	•	COMP	OUND	(ug/L	or ug/Kg)	UG/L		_	Q		
106-46	-7	1,4-D	ichlorobenz	ene				1	U	\neg	
95-50-1			ichlorobenz					_	† Ŭ	┥.	
96-12-8	3		ibromo-3-cl		ane			<u>i</u>	Ü	_	
120-82-	-1		Trichlorobe					- i	1 11		

Hexachlorobutadiene 1,2,3-Trichlorobenzene

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	OCH		Contract:	IT-Latha	am		BLK02	<u>'</u>
Lab Code:	10145	Cas	se No.: R8-4	6549 SAS No	.:	SD	G No.:	MRFA	INF
Matrix: (soil/w	vater)	WATER		Lal	Sample	ID: 1	158596	3 1.0	·
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	File ID:	<u>v</u>	V2466.I	<u> </u>	_
Level: (low/m	ned)	LOW		Da	te Receiv	ed: _			_
% Moisture: r	not dec.			Da	te Analyz	ed: <u>1</u>	0/23/08	3	_
GC Column:	DB-VF	X ID: <u>0.1</u>	8 (mm)	Dile	ution Fac	tor: <u>1</u>	.0		_
Soil Extract V	olume:		_ (uL)	Soi	l Aliquot '	Volum	e:		_ (uL)
		CONCENTRATION UNITS:							
Number TICs	found:	0	<u>-</u>	(ug/L or ug/Kg)	UG/	L			
CAS NO		COMPOU	ND NAME		RT	EST	CONC	·	Q

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO	ОСН		Contract: IT	-Latham	VBLK03	
Lab Code:	10145	Cas	se No.: R8-465	549 SAS No.:	SI	DG No.: MRFA I	INF
Matrix: (soil/v	water)	WATER	_	Lab S	ample ID:	1158777 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab Fi	ile ID:	W2678.D	
Level: (low/n	ned)	LOW	_	Date F	Received:		
% Moisture: ı	not dec.		V	Date A	Analyzed:	10/30/08	
GC Column:	DB-VF	RX ID: 0.1	18 (mm)	Dilutio	n Factor:	1.0	
Soil Extract V	/olume:		_ (uL)	Soil Al	iquot Volun	ne:	(uL)

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name:	CAS RO	OCH		Contract:	IT-Latham		
Lab Code:	10145	Cas	se No.: <u>R8-4</u>	6549 SAS No	o.:S	DG No.: MF	RFA INF
Matrix: (soil/v	vater)	WATER	 .	Lal	Sample ID:	1158777 1.0)
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	W2678.D	
Level: (low/n	ned)	LOW	_	Da	te Received:		
% Moisture: r	not dec.			Dat	te Analyzed:	10/30/08	
GC Column:	DB-VF	X ID: <u>0.1</u>	18 (mm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		_ (uL)	Soi	l Aliquot Volu	me:	(uL)
				CONCENTRAT	ION UNITS:		
CAS NO),	COMPO	DUND	(ug/L or ug/Kg)	UG/L		Q

OAO 110.	COMPOUND	(ug/L or ug/Ng)	UG/L		Q
106-46-7	1,4-Dichlorober	nzene		1	U
95-50-1	1,2-Dichlorober		1	U	
96-12-8	1,2-Dibromo-3-		1	U	
120-82-1	1,2,4-Trichlorob		1	U	
87-68-3	Hexachlorobuta	diene		1	U
87-61-6	1,2,3-Trichlorob	enzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMF	LE	NO.

Lab Name:	CAS RO	CH		····	Contract:	IT-Latha	am		DLN03	
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No		_ si	DG No.:	MRFA	INF
Matrix: (soil/w	/ater)	WATER	<u>. </u>		Lat	Sample	ID:	1158777	1.0	
Sample wt/vo	ıl:	25.0	(g/mi)	ML	Lat	File ID:		W2678.E)	_
Level: (low/m	red)	LOW			Dat	e Receiv	/ed:			_
% Moisture: n	ot dec.				Dat	e Analyz	:ed:	10/30/08		_
GC Column:	DB-VR	X ID: 0.	<u>18</u> (n	nm)	Dilu	ition Fac	tor:	1.0		_
Soil Extract V	olume:		_ (uL)		Soil	Aliquot	Volur	ne:		(uL)
				CON	ICENTRAT	ION UNI	TS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG/	<u>L</u>			
CAS NO.		COMPOL	JND NA!	ME		RT	ES'	T. CONC		Q

'olum	hia	Ano	lytica	I Sei	vices
- <i> </i>	IIIU.	лии		ı DCI	

METALS

-3-

BLANKS

ontract:	R2846549		
ab Code:	Case No.:	SAS No.:	SDG NO.: MRFA INFLUENT
reparatio	n Blank Matrix (soil/water):	WATER	
reparatio	n Blank Concentration Units	(ug/L or mg/kg): UG/L	

	Initial Calib. Blank		Continuing Calibration Blank (ug/L)					Preparation		
Analyte	(ug/L)	С	1	C	2	C	3	С	C	M
Chromium	-0.3	2 B	-0.3	24 B	0.:	ן ס די	-0.1	.8 B	0.17 0	P

Columbia	Anal	vtical	Ser	vices
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METALS

-3-

BLANKS

Contract:	R2846549			
ab Code:	Case No.:	SAS No.:	SDG	NO.: MRFA INFLUENT
reparation	n Blank Matrix (soil/water):	WATER		
reparation	n Blank Concentration Units	(ug/L or mg/kg):	UG/L	

	Initial Calib. Blank			Cont	inuing Blank	Calibr (ug/L)	ation		Preparation	n		
Analyte	(ug/L)	С	1	C	2	C	3	С		C	М	<u>.</u>
Chromium	1		0.1	.7 0							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	% REC LIMITS		UNITS
						r
0.0100 U	0.0979	0.100	98	90 - 109	168590	MG/L

HEXAVALENT CHROMIUM

Lab Name:	CAS ROCH			Contract: IT	-Latham	
Lab Code:	10145	Case No.:	R8-46549	SAS No.:	SDG I	No.: MRFA INF
Lab File ID:	W1766.D			BFB I	njection Date:	9/17/08
Instrument ID): GCMS #6			BFB In	njection Time:	15:09
GC Column:	DB-VRX II	D: <u>0.18</u>	(mm)	Heate	d Purge: (Y/N)	N

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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

ſ	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

 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

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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

ſ	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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 INFLUENTMS	D 1158564 2.5	W2460.D	10/23/08	1:45

Lab Name:	CAS ROCH		Contract: IT-Latham				
Lab Code:	10145	Case No.:	R8-46549	SAS No	.: s	DG N	o.: MRFA INF
Lab File ID:	W2461.D	-	•	BF	B Injection Da	ate:	10/23/08
Instrument ID	: GCMS #6			BFI	B Injection Ti	me:	2:21
GC Column:	DB-VRX II	D: <u>0.18</u>	(mm)	Hea	ated Purge: (Y/N)	<u>N</u>

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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)
174	50.0 - 120.0% of mass 95	95.6
175	4.0 - 9.0% of mass 174	5.2 (5.4)
176	93.0 - 101.0% of mass 174	92.5 (96.8)
177	5.0 - 9.0% of mass 176	6.0 (6.5)

¹⁻Value is % mass 174

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

²⁻Value is % mass 176

 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

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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

ſ	EPA	LAB	LAB	DATE	TIME
1	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

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): W2442.D Date Analyzed: 10/22/08 Instrument ID: GCMS #6 Time Analyzed: 14:58 GC Column: DB-VRX ID: 0.18 Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #		DT 4
	40 HOUD 07D						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
5	MRFA INFLUENT	15 561697	5.73	482138	8.74	237531	10.81
16	MRFA INFLUENT	ISP 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) Ν

		IS1				IS2				IS3			
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	630321		5.73	}	520348		8.74		25656	1	10.8	1
	UPPER LIMIT	1260642		6.23	,	1040696		9.24		51312	2	11.3	1
L	LOWER LIMIT	315161		5.23		260174		8.24		12828	1	10.3	1
	EPA SAMPLE				., .								
	NO.												
1	LCS02	587243		5.73		499516	T	8.74		24081	9	10.81	
2	VBLK02	580713		5.73		483616		8.74	1	22471	1	10.81	<u> </u>
3	DGC-3S	557010		5.73		464032		8.74		20847	7	10.81	
4	SW-F	562814		5.73		459898		8.74		21588	1	10.81	
5	SW-G	551213		5.73		465862		8.74		21179	7	10.81	
6	SW-A	549304		5.73		464528		8.74		213118	3	10.80)
7	4D	558873		5.73		464652		8.74		218877	7	10.81	
В	M-25D	549702		5.73		457944		8.74	7	21348	ı	10.81	
9	TRIP BLANK	566435		5.73		470927		8.74		212570)	10.80	1
	M-27D	558546		5.73		465401		8.74		215456	3	10.80	
1	M-27DMS	581595		5.73		496229		8.74		244508	3	10.80	
2	M-27DMSD	582647		5.73		492081		8.74		239649)	10.81	
3	M-25DDL	565328		5.73		467900		8.74		210167	,	10.81	
4	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	1		Contract:	IT-Latham	
Lab Code:	10145	Case No.:	R8-46549	SAS No.	SDG N	o.: MRFA INF
Lab File ID (Standard):	W2675.D	_		Date Analyzed:	10/30/08
Instrument II	D: GCMS#6	3			Time Analyzed:	17:14
GC Column:	DB-VRX	ID: <u>0.18</u>	(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.						
LCS03	603556	5.73	498853	8.73	243550	10.81
VBLK03	571889	5.73	481392	8.74	230986	10.81
SW-D	573490	5.73	479917	8.74	228398	10.80
SW-E	566175	5.73	474354	8.74	223016	10.80
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 0 U 2000

Data Validation Services

120 Cobble Creek Road P. O. Box 208 North Creek, NY 12853 Phone (518) 251-4429 Facsimile (518) 251-4428

LETTER OF TRANSMITTAL

TO:	Marc Flanagan				
COMPANY:	Shaw Environmental, Inc				
FROM:	Judy Harry				
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_XFed ExOther				

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:

No. of Units*	Analytical Fraction	Unit Cost	Subtotal Due
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,

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

SDG#:INFLUENT BATCH COMPLETE: yes DATE REVISED: SUBMISSION R2845271 DISKETTE REQUESTED: Y X N **DATE DUE: 8/29/08** CLIENT: **Shaw Environmental** DATE: 8/19/08 PROTOCC CLP CLIENT REP: Carlton Beechler **CUSTODY SEAL: PRESENT/ABSENT:** SHIPPING No.: PROJECT: GE MRFA PROJECT #129926 CHAIN OF CUSTODY: PRESENT/ABSENT: CAS JOB # | CLIENT/EPA ID MATRIX REQUESTED PARAMETERS DATE рН % **REMARKS** DATE SAMPLED RECEIVED (SOLIDS) SOLIDS AMPLE CONDITION 1124913QC INFLUENT WATER OLC2.1VOA 8/6/2008 8/8/2008 1124915 DUPE WATER OLC2.1VOA 8/6/2008 8/8/2008 1124916 EFFLUENT WATER OLC2.1VOA 8/6/2008 8/8/2008 1124917 TRIP BLANK WATER OLC2,1VOA 8/6/2008 8/8/2008 1124918 COOLER BLANK WATER OLC2.1VOA 8/6/2008 8/8/2008

SDG#: MRFA INFLUENT

SUBMISSION R2846549

DISKETTE REQUESTED: Y_X_N____

CLIENT: Shaw Environmental

DATE: 10/27/08

CUSTODY SEAL: PRESENT/ABSENT: NA

SHIPPING No.:

PROJECT:	GE MRFA PROJECT #129926	CHAIN C	F CUSTODY: PRESENT/ABSENT: F	-		•		
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	pН	%	REMARKS
				SAMPLED	RECEIVED	(SOLIDS)	SOLIDS	AMPLE CONDITIO
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			
	4D	WATER	OLC2.1 VOA	10/15/2008	10/16/2008			
	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			
	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:

CASE NARRATIVE

COMPANY: Shaw Environemental 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 $\frac{39}{2}$ 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

DATE REVISED: BATCH COMPLETE: yes SDG#:INFLUENT DISKETTE REQUESTED: Y_X__ N___ **DATE DUE: 8/29/08** SUBMISSION R2845271 PROTOCC CLP DATE: 8/19/08 **Shaw Environmental** CLIENT: **CUSTODY SEAL: PRESENT/ABSENT:** SHIPPING No.: CLIENT REP: Carlton Beechler PROJECT: GE MRFA PROJECT #129926 CHAIN OF CUSTODY: PRESENT/ABSENT: DATE pН % REMARKS DATE CAS JOB # | CLIENT/EPA ID MATRIX REQUESTED PARAMETERS SAMPLED RECEIVED (SOLIDS) SOLIDS AMPLE CONDITION 8/6/2008 8/8/2008 1124913QC INFLUENT WATER OLC2.1VOA 8/6/2008 8/8/2008 1124915 WATER OLC2.1VOA DUPE 1124916 EFFLUENT WATER OLC2.1VOA 8/6/2008 8/8/2008 1124917 TRIP BLANK WATER OLC2.1VOA 8/8/2008 8/6/2008 1124918 COOLER BLANK WATER OLC2.1VOA 8/6/2008 8/8/2008







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 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

H:\FORMS\QUALIF_O.DOC

Columbia Analytical Services INC. An Employee - Owned Company www.castab.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

l .	SR#	
•		-
	CAS Contact	•

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

Project Name	GE MREA Project Number								ANALYSIS REQUESTED (Include Method Number and Container Preservative)									•							
Project Manager Brace Neumann	Report CC	ا، م			PF	RESI	SERVATIV	VE 1	T	T												-			
Project Manager Brian Neumann Company/Address Shaw Envir	1 1 Y	ci, uu	ay n	urry		\top			7	$\overline{}$	$\overline{}$	$\overrightarrow{}$	$\overline{}$	$\overline{}$		7	7	//	/	/	$\overline{}$	/	Preserv 0. NON	٧E	y
shaw khylr	on mental, inc				<u>ب</u>	2			7												/		1. HCI		
13 British	American Bl	vd			CONTAINERS	18 114 1	1			/	/ ^	/ a	/ .	NO S	(SW)							/	2. HNC 3. H ₂ S 4. NaC 5. Zn.	SO ₄ DH Acetate	
Phone #	12110				<u>ا</u> جُ	3	/	DOLP.	D'C	<u>ري</u>	10/	100	" 2 ods	10 K	\$/ ,	/	/	/	/	/	/ ,	/	6. MeC 7. Nat	HC	
518-783-1996	518 - 783 Sampler's Printed Name	3 - 839	17		t	NUMBER OF		'\$\\&\\	\$	P802178 PESTICIDES POB! D 801602 POB'S D 808 D CLP METALS T 508 D CLP		8	Z E	SSE			′ / / .		' ./	′ /	' /	•		er	
Sampler's Signature	Sampler's Printed Name	Flanage	เก		III	S. MB	MMS VOA'S	1801 1001	18.	7 ₂ ,	0	160	1.5/2	, <u>8</u>					/						
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLII	ING	MATR		-			၁ ၁၅	PES!		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\] /	/						/ ^	LTERN	REMARKS	S/ CRIPTIO	N
Influent		1.1	900	GW			X	<u> </u>	<u> </u>												Ĺ				
Influent (MS)		•	905						I																
Influent (MSD)		1	905			\coprod			\perp				<u> </u>			<u></u>	<u> </u>								
		_)	_			\coprod	`					'	<u> </u>	<u> </u>			<u></u>	1							
Dupe Effluent		L .	910	1	1	1	1		\perp			<u>'</u>	<u> </u>	<u> </u>							<u> </u>				
Trip Blank		7			1	1	'		\perp			<u>'</u>	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	1	<u></u>				
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									\perp		11						<u> </u>	<u> </u>		<u></u>					
SPECIAL INSTRUCTIONS/COMMENTS Metals						_	T-	F	RUSH (S	(SURCH	REQUIF HARGES	S APPLY	Y)	<u>_</u>	1. Resu	ults Only	y	EMENT				VOICE	INFORM	ATION	
* GAP OLC Q.	1 YOAs plus	hexad	hlore	> but	tad	ler	7e, -	24	hr	4	18 hr _	5	day	- X	11. Res (LCS,	suits + C DUP, MS	C Sumn S/MSD a	naries ıs require	eď)	PO	#				
1,2,3-+	richloro benzene	e, tric	hlore	>Flu	10 M	· •	/ - E	REQUEST			E			-		sults + C		Calibratio		BIL	L TO:				
	-	•		me	3tha	rne	- 1				-				_		tion Rep	oort with	Raw Da	ta					
								REQUEST	TED RE	EPORT	DATE							Custom							
See QAPP							<u>t</u>							4	Edate	a	Yes		No	su	BMISSIO)N #:			
SAMPLE RECEIPT: CONDITION/COOI RELINQUISHED BY	LER TEMP:	·		STODY S LINQUISH			<u> </u>		F	RECEIN	IVED BY	, 		+		RELING	QUISHE	D BY		十		RE	CEIVED B	Y	
RELINGUISHED BY RECEIVED BY																									
Signature Signature Signature					_		Signature							ature						nature	<u> </u>				
Printed Name Marc Flanagan	Printed Name		ed Name			_		Printed Na	ame					Printed Name					nted Nam						
Cirm I F	Firm C	Firm				_		Firm						Firm						Firm	n e/Time				
Date/Time, 8/6/08 1500	Show (2)						l	Date/Time						Date	e/Time					Dat	or rime			SCOC-1	102-02

Cooler Receipt And Preservation Check Form

				Cooler Meersh	• • • • •		F :	4		
	CL	1		(AE)	Subm	ission Numbe	r <u>Ra-</u>	15a71		
ect/Clien	nt_ <i>S</i>	in				- 0 (11	IDC EE	DEV VEI	OCITY	CLIENT
				by: Kirc Co		R: CAS Q	PS FE	DEA VEI		02.2.
Wei Did Did We	re custody all bottles any VOA re Ice of I	pape arri vial	ers pove in s have acks	outside of cooler's roperly filled out good condition (ve significant* air present? All boriginate? (s) upon receipt:	unbroke bubbles	s?		YES NYES NYES NYES NYES NYES NYES NYES N	O O O CLIEN	
1 61	iibei arai		i+}	nin 0° - 6° C?:	Yes	Yes	Y	ės 🥇	res	Yes
					No	No	N	0 1	Vo.	No
lf I	No, Expla	in B	e]ow	\.	_ \			`		
. Do	te/Time T	empe	eratu	res Taken: 81	8108	1000		6 D	71. / 6	emple Bottle
	40	٠١٦٠	161	/ IR GUN#2 /	IR GUI					ample Bottle
11:	ermomere	1 110.		packing/ice con	dition (- Client Annro	oval to F	un Sample	es:	
C Secon	dary Revieus de la	Datatle labet constant	te:	complete (i.e. and tags agree with the test / Tubes Intaction	alysis, p	by: reservation, e y papers?	etc.)? (YES !	NO NO NO	lated N/A
Explain a	any discrep	ancie	es:					Lot Added	Final	Yes = All
oH	Reagent	YES	NO_	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	pH	samples OK
≥12	NaOH									No=
≤2	HNO ₃									Samples were
≤2	H ₂ SO ₄			If present, contact	PM to					preserved at
Residual	For TCN			add ascorbic acid	1 111 10					lab as listed
Chlorine	and Phenol				·	#37-4 h- 4-	sted befor	re analysis -	pH	PM OK to
<u>(-)</u>	Na ₂ S ₂ O ₃	-	·		<u> </u>	tested and re	corded by	VOAS OF G	enChem	Adjust:
	Zn Aceta	-	-		07/-0	on a separate	e workshe	et	-	
	HCl	*	*	ESOAII	07/09					
	numbers:	2-11/								
Bottle lot	numbers:	0 118	200					•		

*significant air bubbles are greater than 5-6 mm

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name:	CAS/RO	ОСН		Contract:	IT Latham		
Lab Code:	10145		Case No.: R8-4527	1 SAS No	.: S	DG No.: Influent	
Matrix: (soil/v	vater)	WATE	₹	Lal	Sample ID:	1124913 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	Lal	File ID:	W1160.D	
Level: (low/m	ned)	LOW		Da	te Received:	8/8/08	
% Moisture: r	not dec.		<u> </u>	Dat	te Analyzed:	8/14/08	
GC Column:	DB-VF	X ID:	0.18 (mm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soi	l Aliquot Volu	ıme:	(uL

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	111	บ นฺวี
75-01-4	Vinyl Chloride	111	<u> </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	11	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	1
107-06-2	1,2-Dichloroethane	1	Uks
71-55-6	1,1,1-Trichloroethane	1	UUJ
56-23-5	Carbon Tetrachloride	33 38	EJ
71-43-2	Benzene	1	UUS
79-01-6	Trichloroethene	50 -56	一
78-87-5	1,2-Dichloropropane	1	U US
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	υV
124-48-1	Dibromochloromethane	0.2	SUJ
106-93-4	1,2-Dibromoethane	1	UUS
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	11
75-25-2	Bromoform	1_0,0	8
73-23-2 541-73-1	1,3-Dichlorobenzene	1	UNJ

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

							INFLUE	:NT
Lab Name:	CAS/RC	CH			Contract:	IT Latham		
Lab Code:	10145	с	ase No.: 』	R8-45271	SAS No	.: s	SDG No.: Influ	ent
Matrix: (soil/w	/ater)	WATER			Lat	Sample ID:	1124913 1.0	
Sample wt/vo	ıl:	25.0	_ (g/ml)	ML	Lat	File ID:	W1160.D	
_evel: (low/m	ned)	LOW			Dat	te Received:	8/8/08	
% Moisture: n	ot dec.		-		Dat	te Analyzed:	8/14/08	
GC Column:	DB-VR	X ID: 0	.18 (mr	n)	Dilu	ıtion Factor:	1.0	
Soil Extract Vo	olume: _		(uL)		Soil	l Aliquot Volu	me:	(uL
				CON	CENTRAT	ION UNITS:		
CAS NO.		COMP	OUND		or ug/Kg)	UG/L		Q

106-46-7	1,4-Dichlorobenzene	1	บ แว
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	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	1PLE	NO.	•
-----	-----	-------------	-----	---

Lab Name:	CAS/RC	CH	. •		Contract:	IT Lath	am		LOLINI	
Lab Code:	10145		Case No.:	R8-45271	SAS No	.:	SI	OG No.:	Influent	
Matrix: (soil/w	ater)	WATE	₹		Lab	Sample	e ID:	1124913	3 1.0	
Sample wt/vol	:	25.0	(g/ml)	ML	Lat	File ID:		W1160.I	D	
Level: (low/m	ed)	LOW			Dat	e Recei	ved:	8/8/08		
% Moisture: n	ot dec.				Dat	e Analyz	zed:	8/14/08	· · · · · · · · · · · · · · · · · · ·	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	nm)	Dilu	ition Fac	tor:	1.0		
Soil Extract Vo	olume: _		(uL)		Soil	Aliquot	Volun	ne:		(uL)
				CON	CENTRAT	ION UN	ITS:			
Number TICs t	found:	0		(ug/L	or ug/Kg)	UG	/L			
CAS NO.		COMP	OUND NAM	ΛE		RT	ES ⁻	T. CONC) . (Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Name:	CAS/RO	OCH			Contract:	IT Latham		
Lab Code:	10145	_	Case No.:	R8-45271	SAS No.	:S	DG No.: Influent	<u>. </u>
Matrix: (soil/w	/ater)	WATE	R		Lab	Sample ID:	1124913 2.5	
Sample wt/vo	ĺ:	25.0	(g/ml)	ML	Lab	File ID:	W1164.D	
Level: (low/m	ed)	LOW			Dat	e Received:	8/8/08	
% Moisture: n	ot dec.				Date	e Analyzed:	8/15/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	2.5	
Soil Extract Vo	olume:		(uL)		Soil	Aliquot Volu	me:	(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 Chioride	/ 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	Ū
108-90-7	Chlorobenzene	2	Ū
100-41-4	Ethylbenzene	2	Ū
1330-20-7	(m+p) Xylene	2	Ū
1330-20-7	o-Xylene	2	Ü
100-42-5	Styrene	2	Ū
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDI

Lab Name:	CAS/ROC	H	Contract:	IT Latham	IIII EOLIII	
Lab Code:	10145	Case No.: R8-45	5271 SAS No	o.: S	DG No.: Influent	t
Matrix: (soil/w	/ater) <u>V</u>	ATER	Lai	b Sample ID:	1124913 2.5	
Sample wt/vo	l: <u>2</u>	5.0 (g/ml) ML	Lal	b File ID:	W1164.D	
Level: (low/m	ned) <u>L(</u>	DW	Da	te Received:	8/8/08	
% Moisture: n	ot dec.	·	Da	te Analyzed:	8/15/08	
GC Column:	DB-VRX	ID: <u>0.18</u> (mm)	Dilu	ution Factor:	2.5	
Soil Extract Vo	olume:	(uL)	Soi	i Aliquot Volu	me:	(uL
		(CONCENTRAT	ION UNITS:		
CAS NO.		COMPOUND (ug/L or ug/Kg)	UG/L	ø	
106.46	.7	1.4-Dichlorobonzono		1 .	2 / 11	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	OCH			Contract:	IT Latha	am	INFL	UENID	
Lab Code:	10145	Ca	se No.: <u>I</u>	R8-45271	SAS No).:	SI	DG No.:	Influent	
Matrix: (soil/w	vater)	WATER			Lai	b Sample	∍ ID:	1124913	2.5	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lal	b File ID:	r !	W1164.D)	
Level: (low/m	ned)	LOW	_		Da	te Recei	ved:	8/8/08	////	
% Moisture: r	not dec.				Da	te Analyz	zed:	8/15/08		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	<u>18</u> (mr	m)	Dik	ution Fac	ctor:	2.5		
Soil Extract V	olume:		(uL)		Soi	il Aliquot	Volu	me:		(uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0	_	(ug/l	or ug/Kg)	UG	/L			
CAS NO.		COMPOL	JND NAM	ΙE		RT	ES	T. CONC	. (Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RC	СН			Contract:	IT Latham	DOPE	
Lab Code:	10145		Case No.:	R8-45271	SAS No	.: s	DG No.: Influent	
Matrix: (soil/v	vater)	WATER	<u> </u>		Lat	Sample ID:	1124915 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W1165.D	
_evel: (low/n	ned)	LOW			Dat	e Received:	8/8/08	
% Moisture: r	not dec.				Dat	e Analyzed:	8/15/08	
GC Column:	DB-VR	X ID:	0.18 (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:	·	(uL)		Soil	Aliquot Volu	me:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	UUS
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 V
67-64-1	Acetone	5 1	JB UI
75-15-0	Carbon Disulfide	1	UUJ
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	JĴ
78-87-5	1,2-Dichloropropane	1	UUJ
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	υV
124-48-1	Dibromochloromethane	L 0.2	140
106-93-4	1,2-Dibromoethane	1	Ulis
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	ŪV
75-25-2	Bromoform	1 0.4	JUT
541-73-1	1,3-Dichlorobenzene	1	Uus

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

					ŀ	DUPE	- 1
AS/ROCH			Contract:	IT Latham	_ L		
0145	Case No.:	R8-45271	SAS No	o.: S	SDG No.:	Influent	
ter) <u>WA</u>	TER		Lal	o Sample ID:	1124915	5 1.0	
25.0	(g/mi) <u>ML</u>	Lal	File ID:	W1165.I	D	
d) LOV	<u>v </u>		Da	te Received:	8/8/08		
dec.			Da	te Analyzed:	8/15/08		
DB-VRX II	D: <u>0.18</u> (r	nm)	Dilu	ution Factor:	1.0		
ume:	(uL)		Soi	l Aliquot Volu	ıme:		(uL)
		CON	CENTRAT	ION UNITS:			
C	OMPOUND	(ug/L	or ug/Kg)	UG/L		Q	
T	1,4-Dichlorob	enzene			1	U	IJ
					1	U	
			pane		1		П
					1	Ū	П
	0145 ter) WA 25.0 d) LOV t dec. DB-VRX II ume:	0145	O145 Case No.: R8-45271 ter) WATER 25.0 (g/ml) ML d) LOW d dec.	O145 Case No.: R8-45271 SAS No. ter) WATER Lal 25.0 (g/ml) ML Lal d) LOW Da d dec. Da Da DB-VRX ID: 0.18 (mm) Dilu ume: (uL) Soi CONCENTRAT COMPOUND (ug/L or ug/Kg) 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane	O145 Case No.: R8-45271 SAS No.: Sample ID: ter) WATER Lab Sample ID: 25.0 (g/ml) ML Lab File ID: d) LOW Date Received: dec. Date Analyzed: DB-VRX ID: 0.18 (mm) Dilution Factor: ume: (uL) Soil Aliquot Volu CONCENTRATION UNITS: COMPOUND (ug/L or ug/Kg) UG/L 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane	CAS/ROCH Contract: IT Latham 0145 Case No.: R8-45271 SAS No.: SDG No.: ter) WATER Lab Sample ID: 1124918 25.0 (g/ml) ML Lab File ID: W1165. d) LOW Date Received: 8/8/08 d dec. Date Analyzed: 8/15/08 DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 ume: (uL) Soil Aliquot Volume: CONCENTRATION UNITS: COMPOUND (ug/L or ug/Kg) UG/L 1,4-Dichlorobenzene 1 1,2-Dichlorobenzene 1 1,2-Dichlorobenzene 1 1,2-Dibromo-3-chloropropane 1 1 1,2-Dibromo-3-chloropropane 1	CAS/ROCH Contract: IT Latham 0145 Case No.: R8-45271 SAS No.: SDG No.: Influent ter) WATER Lab Sample ID: M124915 1.0 25.0 (g/ml) ML Lab File ID: W1165.D d) LOW Date Received: 8/8/08 d dec. Date Analyzed: 8/15/08 DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 ume: (uL) Soil Aliquot Volume: CONCENTRATION UNITS: COMPOUND (ug/L or ug/Kg) UG/L Q 1,4-Dichlorobenzene 1 U U/4 1,2-Dichlorobenzene 1 U U/4 1,2-Dibromo-3-chloropropane 1 U

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3 87-61-6

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N	0	
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Lab Name:	CAS/RO	ОСН			Contract:	IT Latham		DUPE	
Lab Code:	10145		Case No.:	R8-45271	SAS No	·:: ;	SDG No.:	Influent	
Matrix: (soil/v	vater)	WATE	R		Lal	o Sample ID	112491	5 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W1165.	D	
Level: (low/n	ned)	LOW			Dat	te Received:	8/8/08		
% Moisture: r	not dec.				Dat	te Analyzed:	8/15/08		
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor:	1.0		
Soil Extract V	olume:		(uL)		Soi	l Aliquot Vol	ume:		(uL)
						ION UNITS:	: ,		
Number TICs	found:	0	·	(ug/L	or ug/Kg)	UG/L			
CAS NO		COMP		AC .		DT E	ST CON		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name:	CAS/RO	OCH		Contract:	IT Latham		
Lab Code: 10145			Case No.: R8-45271	SAS No	.: s	SDG No.: Influent	
Matrix: (soil/v	vater)	WATE	R	Lat	Sample ID:	1124916 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	Lat	File ID:	W1159.D	
Level: (low/n	ned)	LOW		Dat	te Received:	8/8/08	
% Moisture: r	not dec.		· 	Dat	te Analyzed:	8/14/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (mm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soil	l Aliquot Volu	ime:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	Uut
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	UV
67-64-1	Acetone	52	ال Bلر
75-15-0	Carbon Disulfide	1	U U.J
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	υV
79-01-6	Trichloroethene	0.2	JJ
78-87-5	1,2-Dichloropropane	1	UUS
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	2.5	SUS
106-93-4	1,2-Dibromoethane	1	UNIT
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	UW/
75-25-2	Bromoform	1	UT.
541-73-1	1,3-Dichlorobenzene	1	บนั้ว

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RC	OCH		Contract:	IT Latham		FLUEN	
Lab Code:	10145	Case No.	R8-45271	SAS No	ı.:S	DG No.:	Influent	
Matrix: (soil/w	vater)	WATER		Lat	Sample ID:	112491	6 1.O	
Sample wt/vo	ı:	25.0 (g/ml) ML	Lat	File ID:	W1159.	D	
Level: (low/m	ned)	LOW		Dat	te Received:	8/8/08		
% Moisture: n	ot dec.			Dat	e Analyzed:	8/14/08		
GC Column:	DB-VR	X ID: <u>0.18</u> (ı	nm)	Dilu	ıtion Factor:	1.0		
Soil Extract V	olume:	(uL)		Soil	Aliquot Volu	me:		(uL)
			CON	ICENTRAT	ION UNITS:			
CAS NO.		COMPOUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	7	1,4-Dichlorob	enzene	V-44		1	U	1
95-50-1	,	1,2-Dichlorob	enzene			1	U	
96-12-8		1,2-Dibromo-		pane		1	Ü	
120-82-	1	1,2,4-Trichlor				1	U	

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Q

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 LOW Level: (low/med) 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) Number TICs found: CAS NO. **COMPOUND NAME** RT EST. CONC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/R	OCH		Contract:	IT Latham			
Lab Code:	10145		Case No.: R8-45271	SAS No	.: §	SDG No.: Influent		
Matrix: (soil/	water)	WATER	₹	Lat	Sample ID:	1124917 1.0		
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	W1158.D		
Level: (low/r	ned)	LOW		Dat	te Received:	8/8/08		
% Moisture:	not dec.		<u>'</u>	Dat	te Analyzed:	8/14/08		
GC Column:	DB-VF	RX_ID:	0.18 (mm)	Dilu	ution Factor:	1.0		
Soil Extract V	/olume:		(uL)	Soi	l Aliquot Volu	ıme:	(uL)	

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	UVI
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	Ü
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	Ü
75-27-4	Bromodichloromethane	1	Ü
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	Ü
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	Ü
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1 1	Ü
541-73-1	1,3-Dichlorobenzene	1	U./

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	OCH		(Contract:	IT Latham			
Lab Code:	10145	Ca	ase No.: R8	-45271	SAS No.		SDG No.:	Influent	<u> </u>
Matrix: (soil/v	vater)	WATER	_		Lab	Sample ID): <u>112491</u>	7 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml) <u>M</u> l	<u> </u>	Lab	File ID:	W1158	.D	
Level: (low/n	ned)	LOW	_		Date	e Received	d: <u>8/8/08</u>		
% Moisture: r	not dec.				Date	e Analyzed	l: <u>8/14/08</u>	3	
GC Column:	DB-VR	X ID: <u>0.</u>	18 (mm)		Dilu	tion Factor	: 1.0		
Soil Extract V	olume: _		_ (uL)		Soil	Aliquot Vo	lume:		(uL)
				CONC	ENTRATI	ON UNITS	: :		
CAS NO	•	COMP	OUND	(ug/L d	or ug/Kg)	UG/L		Q	

	, , , , , , , , , , , , , , , , , , , ,		
106-46-7	1,4-Dichlorobenzene	1	U(&
95-50-1	1,2-Dichlorobenzene	1	UĬ
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	UV

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RO	OCH			Contract:	IT La	tham	_	DLAN	^
Lab Code:	10145	(Case No.:	R8-45271	SAS No	.:	s	DG No.:	Influent	
Matrix: (soil/v	vater)	WATER			Lat	Sam	ple ID:	1124917	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File	D:	W1158.)	
Level: (low/m	ned)	LOW			Dat	e Rec	eived:	8/8/08		
% Moisture: r	ot dec.				Dat	e Ana	iyzed:	8/14/08		
GC Column:	DB-VF	X ID: 0	<u>).18</u> (n	nm)	Dilu	ition F	actor:	1.0		
Soil Extract V	olume:	-	(uL)		Soil	Aliqu	ot Volu	me:		(uL)
Number TICs	found:	0			ICENTRAT . or ug/Kg)		INITS: IG/L			
CAS NO.		СОМРО	UND NAM	ИE		RT	ES	T. CONC	. (Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/RO	OCH			Contract:	IT Latham		
Lab Code:	10145		Case No.:	R8-45271	SAS No.	.: 8	SDG No.: Influent	
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID:	1124918 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W1166.D	
Level: (low/m	ned)	LOW			Dat	e Received:	8/8/08	
% Moisture: r	not dec.				Dat	e Analyzed:	8/15/08	
GC Column:	DB-VF	X ID:	0.18 (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:	(uL)

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	J
75-69-4	Trichlorofluoromethane	1	Ü
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	Ū
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	Ū
71-43-2	Benzene	1	Ū
79-01-6	Trichloroethene	1	Ū
78-87-5	1,2-Dichloropropane	1	Ū
75-27-4	Bromodichloromethane	1	Ū
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	Ū
10061-02-6	trans-1,3-Dichloropropene	1	Ū
79-00-5	1,1,2-Trichloroethane	1	Ū
127-18-4	Tetrachloroethene	1	Ū
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	0.2	J
106-93-4	1,2-Dibromoethane	1	Ū
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
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

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/RO	OCH_		Contract:	IT Latham		
Lab Code:	10145		Case No.: <u>R8-45271</u>	SAS No	o.: S	SDG No.: Influent	
Matrix: (soil/	water)	WATE	<u>R</u>	Lal	b Sample ID:	1124918 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	File ID:	W1166.D	
Level: (low/n	ned)	LOW	· .	Da	te Received:	8/8/08	
% Moisture: ı	not dec.			Dat	te Analyzed:	8/15/08	
GC Column:	DB-VF	XX ID:	<u>0.18</u> (mm)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)	Soi	l Aliquot Volu	ıme:	(uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorobenze	ne		1	U
95-50-1	1,2-Dichlorobenze	ne		1	U
96-12-8	1,2-Dibromo-3-chlo	oropropane		1	U
120-82-1	1,2,4-Trichloroben	zene		1	U
87-68-3	Hexachlorobutadie	ne		1	U
87-61-6	1,2,3-Trichlorobena	zene		1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RO	OCH			Contract:	IT	Latham	_ L'	COOLER	BLK
Lab Code:	10145	Ca	ase No.: R8	-45271	SAS N	o.:		SDG N	No.: Influ	ient
Matrix: (soil/w	vater)	WATER			La	ab Sa	mple ID:	112	4918 1.0	
Sample wt/vo	ıl:	25.0	(g/mi) <u>M</u>	L	La	ab Fil	e ID:	W11	166.D	
Level: (low/m	ned)	LOW			Da	ate R	eceived:	8/8/	08	
% Moisture: n	ot dec.				Da	ate A	nalyzed:	8/15	5/08	
GC Column:	DB-VF	<u>X</u> ID: <u>0.</u>	18 (mm)		Di	lutior	Factor:	1.0		
Soil Extract Vo	olume:		_ (uL)		Sc	oil Alic	quot Volu	ıme:		(uL)
				CON	CENTRA	TION	UNITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/L			
CASNO		COMPOL	IND NAME			דכו	. E	ST C	ONC	

2A 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	SMC1	TOT
	SAMPLE NO.	#	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

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 INFLUENT

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD				
	ADDED	ADDED CONCENTRATION		%	QC LIMITS		
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

Lab Name:	CAS/RO	OCH		Contract:	IT Latham		
Lab Code:	10145		Case No.: R8-45271	SAS No	.: s	SDG No.: Influent	·
Matrix: (soil/w	vater)	WATE	<u>R</u>	Lab	Sample ID:	1129971 1.0	
Sample wt/vo	d:	25.0	(g/ml) <u>ML</u>	Lab	File ID:	W1161.D	
Level: (low/m	ned)	LOW	 	Dat	e Received:	8/8/08	
% Moisture: n	ot dec.			Dat	e Analyzed:	8/14/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (mm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)	Soil	Aliquot Volu	ıme:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	5	<u> </u>
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-Dichlorgethene	5	
67-64-1	Acetone	5	C
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	Е
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

EPA SAMPLE NO.

INFLUENTMS

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Lab Name:	CAS/RO	CH			Contract:	IT Latham			
Lab Code:	10145	Ca	se No.:	R8-45271	SAS No	.: \$	SDG No.:	Influent	
Matrix: (soil/v	vater) <u>\</u>	WATER	_		Lab	Sample ID:	112997	1 1.0	
Sample wt/vo	ol: <u>2</u>	25.0	(g/ml)	ML	Lab	File ID:	W1161.	D	
Level: (low/m	ned) <u>L</u>	_OW			Dat	e Received:	8/8/08		
% Moisture: r	ot dec.				Dat	e Analyzed:	8/14/08		
GC Column:	DB-VRX	(ID: <u>0.1</u>	18 (m	m)	Dilu	tion Factor:	1.0		
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volt	ume:		(uL)
				CON	CENTRATI	ON UNITS:			
CAS NO.	•	COMPO	DUND	(ug/L	or ug/Kg)	UG/L	·	Q	
106-46-	-7	1,4-Die	chlorobe	nzene			5		
95-50-1		1,2-Dic	chlorobe	nzene			5		

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

96-12-8

120-82-1

87-68-3

87-61-6

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name:	CAS/RC	OCH_			Contract:	IT Latham	INFLUENTM	SD
Lab Code:	10145		Case No.:	R8-45271	SAS No	.: S	DG No.: Influent	
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1129972 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W1162.D	
Level: (low/m	ned)	LOW	· ·		Dat	e Received:	8/8/08	
% Moisture: r	not dec.				Dat	e Analyzed:	8/14/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	m)	Dilu	tion Factor:	1.0	
Soil Extract V	olume: _		(uL)		Soil	Aliquot Volu	me:	(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	· · · · · · · · · · · · · · · · · · ·	5	T
75-01-4	Vinyl Chloride		5	
74-83-9	Bromomethane		5	
75-00-3	Chloroethane		5	
75-69-4	Trichlorofluorom	ethane	5	
75-35-4	1,1-Dichloroethe		. 5	
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chlor		5	
156-60-5	trans-1,2-Dichlor		5	
75-34-3	1,1-Dichloroetha		5	
156-59-2	cis-1,2-Dichloroe		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromet	hane	6	
67-66-3	Chloroform		11	
107-06-2	1,2-Dichloroetha	ne	5	
71-55-6	1,1,1-Trichloroetl		5	
56-23-5	Carbon Tetrachlo		42	E
71-43-2	Benzene		5	<u> </u>
79-01-6	Trichloroethene		60	Е
78-87-5	1,2-Dichloropropa	ane	6	<u> </u>
75-27-4	Bromodichlorome	thane	6	
10061-01-5	cis-1,3-Dichloropr	ropene	5	
108-10-1	4-Methyl-2-Penta	none	5	U
108-88-3	Toluene	4	5	
10061-02-6	trans-1,3-Dichloro	propene	5	
79-00-5	1,1,2-Trichloroeth		6	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochlorome	thane	6	
106-93-4	1,2-Dibromoethan		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-Tetrachioro	ethane	5	
75-25-2	Bromoform	remaile		
541-73-1	1,3-Dichlorobenzer	20	6 5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name:	CAS/RO	OCH			Contract:	IT Latham	IIVI LOLI	TIMOD
Lab Code:	10145		Case No.:	R8-45271	SAS No	:	SDG No.: Inf	luent
Matrix: (soil/\	water)	WATE	R		Lat	Sample ID	: 1129972 1.0)
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W1162.D	
Level: (low/r	ned)	LOW			Dat	e Received	: 8/8/08	
% Moisture: ı	not dec.				Dat	e Analyzed:	8/14/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	m)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume:	(uL)
				CON	CENTRATI	ON UNITS:	;	
CASNO	1	CON	ADOLIND	1				_

o, 10 110.	OCIVII OCIVID	(ug/L or ug/Ng)	UG/L	Q
106-46-7	1,4-Dichloroben	zene	5	
95-50-1	1,2-Dichloroben		5	
96-12-8	1,2-Dibromo-3-c	chloropropane	4	
120-82-1	1,2,4-Trichlorob	5		
87-68-3	Hexachlorobuta		4	<u> </u>
87-61-6	1,2,3-Trichlorob		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

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

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EPA	SAN	1PL	E.	NO.

				· · · · · · · · · · · · · · · · · ·			LCS	
Lab Name:	CAS/RO	OCH			Contract:	IT Latham	LCS	
Lab Code:	10145	Ca	se No.:	R8-45271	SAS No	.: s	DG No.: Influent	ı
Matrix: <u>(</u> soil/v	vater)	WATER	_		Lat	Sample ID:	1129970 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W1155.D	
_evel: (low/n	ned)	LOW	_		Dat	e Received:		
% Moisture: r	not dec.		00		Dat	e Analyzed:	8/14/08	
3C Column:	DB-VF	RX ID: <u>0.1</u>	8 (m	nm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volu	me:	(uL)

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	T
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE NO.

Lab Name: 0	CAS/ROCH		•	Contract:	IT Latham		LCS	
Lab Code: 1	0145	Case No.: R		SAS No		DG No.:	Influent	:
Matrix: (soil/wa	iter) WATE	R		Lab	Sample ID:	1129970	1.0	
Sample wt/vol:	25.0	(g/ml) <u>M</u>	<u>IL</u>	Lab	File ID:	W1155.[)	
Level: (low/me	d) <u>LOW</u>			Dat	e Received:			
% Moisture: no	t dec.			Date	e Analyzed:	8/14/08		
GC Column:	DB-VRX ID:	<u>0.18</u> (mm)	ı	Dilu	tion Factor:	1.0		
Soil Extract Vol	ume:	(uL)		Soil	Aliquot Volu	me:		(uL)
			CONC	ENTRATI	ON UNITS:			
CAS NO.	COI	MPOUND	(ug/L	or ug/Kg)	UG/L	·	Q	
106-46-7	1,4	4-Dichlorobenz	ene			5		\neg
95-50-1	1,2	2-Dichlorobenz	ene			5	T	
96-12-8		2-Dibromo-3-ch		ane		4		
120-82-1		4-Trichlorobe				<u> </u>	 	\dashv

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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

	0 A L 4D	
EPA	SAMP	LE NO

Lab Name:	CAS/RC	OCH		Contract:	IT Latham	VBLK	
Lab Code:	10145		Case No.: R8-45271	SAS No	.: S	DG No.: Influent	t
Matrix: (soil/v	vater)	WATE	R	Lab	Sample ID:	1129969 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab	File ID:	W1157.D	
Level: (low/m	ned)	LOW	·	Dat	e Received:		
% Moisture: n	ot dec.		·	Dat	e Analyzed:	8/14/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (mm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume: _		(uL)	Soil	Aliquot Volu	me:	(uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
74-87-3	Chloromethane			1	U
75-01-4	Vinyl Chloride			1	Ü
74-83-9	Bromomethane			1	Ü
75-00-3	Chloroethane			1	Ü
75-69-4	Trichlorofluorom	ethane		1	Ü
75-35-4	1,1-Dichloroethe	ne		1	Ü
67-64-1	Acetone			2	J
75-15-0	Carbon Disulfide)		1	Ü
75-09-2	Methylene Chlor	ide		1	Ü
156-60-5	trans-1,2-Dichlor	oethene		1	Ü
75-34-3	1,1-Dichloroetha			1	Ü
156-59-2	cis-1,2-Dichloroe	thene		1	Ü
78-93-3	2-Butanone			5	Ū
74-97-5	Bromochloromet	hane		1	Ü
67-66-3	Chloroform			1	Ü
107-06-2	1,2-Dichloroethai	ne		1	U
71-55-6	1,1,1-Trichloroeth			1	Ū
56-23-5	Carbon Tetrachlo	ride		1	Ü
71-43-2	Benzene			1	Ü
79-01-6	Trichloroethene	***		1	U
78-87-5	1,2-Dichloropropa	ane		1	Ü
75-27-4	Bromodichlorome	thane		1	Ü
10061-01-5	cis-1,3-Dichloropr	opene		1	Ū
108-10-1	4-Methyl-2-Pentar	none		5	Ü
108-88-3	Toluene			1	Ü
10061-02-6	trans-1,3-Dichloro	propene		1	U
79-00-5	1,1,2-Trichloroeth	ane		1	Ü
127-18-4	Tetrachloroethene			1	Ü
591-78-6	2-Hexanone			5	Ü
124-48-1	Dibromochloromet	thane		1	Ü
106-93-4	1,2-Dibromoethan			i	U
108-90-7	Chlorobenzene				Ü
100-41-4	Ethylbenzene	· · · · · · · · · · · · · · · · · · ·			Ü
1330-20-7	(m+p) Xylene				U
1330-20-7	o-Xylene				U
100-42-5	Styrene	·····	1		U
79-34-5	1,1,2,2-Tetrachloro	ethane	1		Ü
75-25-2	Bromoform		1		U
541-73-1	1,3-Dichlorobenzer	16	1		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

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CEA	J.M	ושועו	_	IMI I

Lab Name:	CAS/RO	ОСН			Contract	: 1	Γ Latham		VBLK	
Lab Code:	10145	Ca	se No.: R	3-45271	SAS	lo.:	s	DG No.:	Influent	
Matrix: (soil/w	vater)	WATER	_		L	ab S	Sample ID:	112996	9 1.0	
Sample wt/vo	ol:	25.0	(g/ml) M	L	L	ab F	ile ID:	W1157.	D	*
_evel: (low/m	ned)	LOW			D	ate	Received:			
% Moisture: n	ot dec.				D	ate.	Analyzed:	8/14/08		
GC Column:	DB-VF	<u>X</u> ID: <u>0.1</u>	18 (mm)		D	ilutic	on Factor:	1.0		
Soil Extract V	olume:		_ (uL)		S	oil A	liquot Volu	me:		(uL)
				CON	CENTRA	TIO	N UNITS:			
CAS NO.		COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	.7	1,4-Die	chlorobenz	ene				1	U	
95-50-1		1,2-Did	chlorobenz	ene				1	U	
96-12-8			oromo-3-ch		ane			1	Ū	
120-82-	1		richlorobei			•		1	U	

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA:	SAMPL	E NO.
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										- 1
Lab Name:	CAS/RC	CH			Contract:	IT Lat	ham	\\	/BLK	
Lab Code:	10145	(Case No.: F	R8-45271	SAS No	o.:	SE	OG No.:	Influent	
Matrix: (soil/v	vater)	WATER			La	b Samp	ole ID:	1129969	1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u> </u>	ML	La	b File II) :	W1157.D)	
Level: (low/m	ned)	LOW			Da	te Rece	eived:			
% Moisture: r	not dec.				Da	te Anal	yzed:	8/14/08		
GC Column:	DB-VR	X ID:	0.18 (mm	n)	Dil	ution Fa	actor:	1.0		
Soil Extract V	'olume: _		(uL)		So	il Aliquo	ot Volun	ne:		(uL)
				CON	CENTRAT	TON UI	NITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	U	G/L			
CAS NO.		СОМРО	UND NAME	≣		RT	EST	Γ. CONC	. (Q

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract:	IT Latham		
Lab Code:	10145	Case No.:	R8-45271	SAS No).:	SDG N	o.: Influent
Lab File ID:	W1146.D			BF	B Injection D	Date:	8/14/08
instrument IC	: GCMS#6			BF	B Injection T	Time:	14:28
GC Column:	DB-VRX II	D: <u>0.18</u>	(mm)	He	ated Purge:	(Y/N)	N

		% RELATIVE				
m/e	ION ABUNDANCE CRITERIA	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	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

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

		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 ANALYTIÇAL 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 45 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. Mu

CASE NARRATIVE

COMPANY: Shaw Environemental GE MRFA Project #129926 SUBMISSION #: R2846549

Shaw samples were collected on 10/13-21/08 and received at ÇAS 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	INFILIENT	BATCH	COMPLETE:yes		DATE REVISE	D:			
SUBMISSION			E REQUESTED: Y_X_N		DATE DUE: 11				
CLIENT:	Shaw Environmental	DATE: 10	— — —		PROTOCOL: C				,
	: Carlton Beechler		Y SEAL: PRESENT/ABSENT: NA		SHIPPING No.				
	GE MRFA PROJECT #129926		F CUSTODY: PRESENT/ABSENT: F			•			
	CLIENT/EPA ID	MATRIX		DATE	DATE	рH	%	REN	//ARKS
0,10000	OLIENVIEW AND		112402012	SAMPLED	RECEIVED		SOLIDS	AMPLE	CONDITIC
1144399QC	MRFA INFLUENT	WATER	OLC2.1 VOA	10/13/2008	10/15/2008				
	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	<u> </u>			
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							<u> </u>		

1144399QC 11/4/2008



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 Se

Massachusetts ID # M-N 1052
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

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

O 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

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	of _	Q
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SR#		
CAS Contact		

Project Name	Project Number	19926			ANALYSIS REQUESTED (Include Method Number and Container Preservative)											,						
Project Manager							T				T	·		T	Т							
Brian Neumann	Report CC Steve.	Teler,	Judy	Harry	PRE	SERVAT	IVE							1	2	0		<u> </u>		Pr	eservative	e Kev
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CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMP DATE	LING TIME	MATRIX		132	GCMS SVOA'S DEZIO SVOA'S GC DESI'S			W E	Ĭġ.Œ	<u>8</u>			/	_	_	_	ALT	REM ERNATE	MARKS/ DESCRIP	TION
MRFA Influent		10-13-06	1417	J-W	3							X	*	1%	<u> </u>	-	-	ļ				
MRFA Effluent			1400		3							X				ļ	ļ	ļ				
MRFA Influent (MS)			1418		3							X						<u> </u>		• ***		
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DupeB			~		a								X	X				<u> </u>				
A4 2012			1135		3							X						<u> </u>				
SPECIAL INSTRUCTIONS/COMMENTS	LC 2.1 YOAS	plus				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY)							REPORT REQUIREMENTSI. Results Only							INVOICE INFORMATION		
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Services NC.
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Project Name	Project Number			1)								- 1								
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M-33I		1255		3							X						-					
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SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS												Edata		_Yes	No	•	000	MIOSIOI	ч п.			
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Shaw	Date/Time	Date/Time									Firm						Firm					
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Distribution: White - Return to Originator; Yellow	- Lab Copy; Pink - Retained by Clie	nt															***************************************				SCOC-1	102-08

Cooler Receipt And Preservation Check Form

Project/Clie	nt <u>Sh</u>	au`	<u> </u>		_Submis	ssion Numbe	r <u>(2</u> 82	3-465	19		
Cooler recei	ived on <u>10</u>	1151	08	by:PCC	URIER	: CAS U	PS FI	EDEX VEI	OCITY	CLIENT	
 Were custody seals on outside of cooler? Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant* air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt: 											
Ist	he tempera	ature	with	in 0° - 6° C?:	Yes	Yes	Y	es Y	es	Yes	
lf!	No, Expla	in Be	low	•	No	No	7	10 J	lo .	No	
If out of 7 PC Second Cooler Br. W. 2. D. 3. V. 4. A.	Temperate dary Review reakdown: Vere all bottle dall bottle vere corrections of the correction of the	Date laber const.	note e : bels els antaine asse	packing/ice con Complete (i.e. and tags agree with the sused for the tentes / Tubes Intac	dition, (1) by alysis, prohibits indicate the Care	by:by: reservation, ey papers? ated?	etc.)?	Run Sample VES 1	NO N		
pН	Reagent			Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH	Yes = All samples OK	
≥12	NaOH	YES	NO].	
≤2	HNO ₃	×		AF30G9G9	09/09	·				No =	
≤2	H₂SO₄						<u> </u>		_	were	
Residual Chlorine (-)	For TCN and Phenol			If present, contact add ascorbic acid						preserved at lab as listed	
<u> </u>	Na ₂ S ₂ O ₃	-	•			*Not to be to	ested befored b	ore analysis – j y VOAs or Ge	oH nChem	PM OK to	
•	Zn Aceta	<u>.</u>	-		1.5	on a separat				Adjust:	
	HC1	*	*	ESUAII	09/197						
	t numbers:			%-ର	19-00	bd, 023	<u> 60Pc</u>				

PC Secondary Review: _______ W // // W
H:\SMODOCS\Cooler Receipt 2.doc

*significant air bubbles are greater than 5-6 mm

gagas



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR#	
CAS Contact	

An Employee - Owned Company Une Mustard St., www.caslab.com	Suite 250 • Hochester, NY 146	09-0859 • (085) 288-538	80 • 800-69	5-7222	X11 • F	OC) AA	io) 200·	-64/3	FA	aL _			Οi .	<u> </u>			OAC	Oon	act	
Project Name	Project Number							Al	NALYS	IS RE	QUES	TED (I	nclu	de Mei	thod N	umber	and C	ontain	er Pre	eservative)	
Project Manager	Report CC				PRE	SERVA	TIVE							T	1:	T					
Brian Neuman		eier, J	udy H	arry		-OLIVA	""									<u> </u>	<u> </u>	ļ,			
	ovironmental,	ر ر	J	J			/		/			/	,	/ ,	/ /	/ /	' /		/	/ / Preserv	Ative Key VE
			-		<u>K</u>		/		/	/					/			/		/ / 1. HCL 2. HNC	၁ _ဒ
13 Bris	sh American	$-\mathbf{B}I$	yc(Į Ž		/ 4	a/ a	/۵	/ _	/ ,	,/ ,	30	Ž,	000	/				/ / 3. Figs 4. Nac 5. 70	vative Key NE O ₃ SO ₄ DH Acetate
Latham, N	ly 12110				NUMBER OF CONTAINERS	/	GCMS SICE DCL] 			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			y	/	/ .	/ ,		6. Med 7. Nah	JR
Phone # 518 - 783 - 1996	518-783-8399				H.O.	/:	8 % S	<u>3</u> 8/		ပ္သည္တို	8/		S E	3	/ /	′ /	' /	/	/	/ / 8. Oth	ər
Sampler's Signature	ISampler's Printed Nam	e	001	<i>1</i>	T WE	2/8					0/0		8	/رن	/					/ —	
7.19	FOR OFFICE USE ONLY		PLING		- ₹	\ <u>\</u>	# £			\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		<u> </u>	3 /		/	./			DEMADE	œ,
CLIENT SAMPLE ID	LAB ID	DATE	TIME	MATRIX		100	00	700	100	20	Z	125	_				<u> </u>			ALTERNATE DESC	RIPTION
DGC-43		10/15/08	845	GW	3								X	$oldsymbol{\perp}$		<u> </u>					
DGC -35			920	1	\coprod									ļ					<u></u>		•
SW-F			1120										Ш			<u> </u>			<u></u>		
5W-G			1145														Ľ.				
SW-A		1	1215																		
4D		1	1325													<u> </u>					
M-25D		V	1410		П																
Trip Blank		-		1	1								7								
SPECIAL INSTRUCTIONS/COMMENTS	0.6 0.1 3600				•		ΤU	JRNAR	OUND	REQUI	REME	NTS	Π	RE	PORT R	EQUIRI	EMENT	S		INVOICE INFORMA	ATION
Metals	olc 2.1 YOF cmpds	e bi	us 3	other			 	RUSH	(SURC					I. Re	sults Only	1					
	cmpds	ž.	_				<i>j</i>	24 hr		l8 hr	5	day	 		sults + C			d)	PO	‡	
	•						_ <u></u>		IDARD					•	esults + C		•		BIL	L TO:	
							neuv:	ESIEDI	FAX DAT	C					maries			-	-		
							REQUE	ESTED F	REPORT	DATE			-		ata Valida				\ 		
See QAPP													1-		ecialized ta				SUE	BMISSION #:	
SAMPLE RECEIPT: CONDITION/COOI		CUSTODY SEA				/ N			DECE	WED D	,		↓_			JUISHE			$oldsymbol{\perp}$	RECEIVED BY	,
RELINQUISHED BY	RECEIVED BY RELINQUISHED				BY				MECE	IVED BY	ī				HELING	JUIONE	וםע			HEORIVEDO	
Signature MayER	HOWEN A DANGER	Signature					Signatu	nre					Sign	nature				· · · · · · · · · · · · · · · · · · ·	Sigr	nature	•
	Tale Park	A Pr	Printed Name				Printed	Name					Prin	ted Nam	ie				Prin	ited Name	<u> </u>
Film	MOLY TUNCIT	Fir	Firm				Firm						Firm				Firm				
Date/Time	Date/Time Date/Time				Date/Time Date/Time				Date/Time												
Distribution: White - Return to Originator; Yellow	SCOC-1102-08 ribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client																				SCOC-1102-08

Cooler Receipt And Preservation Check Form Submission Number R2D 410549 Project/Client_ Cooler received on lollulos by: P COURIER: CAS OPS FEDEX VELOCITY CLIENT Were custody seals on outside of cooler? YES 1. Were custody papers properly filled out (ink, signed, etc.)? 2. Did all bottles arrive in good condition (unbroken)? NO 3. Did any VOA vials have significant* air bubbles? COM N/A 4. Were Ice or Ice packs present? NO 5. S/ROS CLIENT Where did the bottles originate? 6. Temperature of cooler(s) upon receipt: 7. Yes Yes Is the temperature within 0° - 6° C?: Yes Yes Yes No No No No No If No, Explain Below Date/Time Temperatures Taken: ____/0/110/05 /035 Thermometer ID: 161 / IR GUN#2 / KGUN#3 Reading From: Temp Blank Sample Bottle If out of Temperature, note packing/ice condition, Client Approval to Run Samples: PC Secondary Review: 101409 Cooler Breakdown: Date: 10/10/04 Were all bottle labels complete (i.e. analysis, preservation, etc.)? NO 1. Did all bottle labels and tags agree with custody papers? NO 2. Were correct containers used for the tests indicated? NO 3. Air Samples: Cassettes / Tubes Intact Tedlar® Bags Inflated Canisters Pressurized Explain any discrepancies:

	HCl	1.*		8-717-	09/09	ل				,
•	Zn Aceta		1:		1	on a separat			•	.,
	Na ₂ S ₂ O ₃	-	•			Not to be t	ested beto ecorded b	ore analysis – p y VOAs or Ge	nCh em	PM OK to Adjust:
Residual Chlorine (-)	For TCN and Phenol			If present, contact add ascorbic acid					13	preserved a lab as listed
≤ 2	H ₂ SO ₄						 			were
≤2	HNO₃						<u> </u>		 	Samples
≥12	NaOH									No =
pН	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	pH	samples OK

Bottle lot numbers:

Other Comments:

PC Secondary Review:

significant air bubbles are greater than 5-6 mm



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR#		
CAS Contact		

SCOC-1102-08

Services Connect Company An Employee - Owned Company One Mustard St.,	Suite 250 • Rochester, NY 146	09-0859 • (5	585) 288-53	80 • 800-69	5-7222	x11 • FA)	X (585) 28	8-8475	PAG	GE_		(OF_				CAS	S Conta	act			
www.caslab.com Project Name	Project Number	0026						ANALY:	SIS RE	QUEST	ΓΕD <i>(I</i>	nclude	Meth	od Nu	ımber	and C	ontain	ner Pre	servati	ve)		
GE MRFA Project Manager Brian Neumann Company/Address	Report CC Steve. Mo	9926 ver, o		Harry	PRE	SERVATI	IVE					_		1	<u> </u>			J /		/ 0	eservative NONE	Key
13 British	American Blyd.				NTAINERS			مارا					22	3/						/ 5.	HCL HNO ₃ H ₂ SO ₄ NaOH Zn. Aceta	te
Latham, 1 Phone # 518 - 783 - 1996 Sampler's Signature	12//0 FAX# 518 - 78 Sampler's Printed Nam Marc FI	9			NUMBER OF CONTAINERS	S VOA'S	GC/MS SVOA'S D 8270 SVOA'S GC/MC D 825	74's /JC	10E8 120 120 120 120 120 120 120 120 120 120	METALS TO DOLD	Comments by	comments b	9/ 7/	' . /	/ /	/ /	/ /	/ /	$^{\prime}$ $/$	7.	MeOH NaHSO ₄ Other	
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMF DATE		MATRIX	1			P 75 7		META	META	ò		/ _					/ AL	REM TERNATE	IARKS/ DESCRIPTI	ON
3W-D		10/21/08	1140	ew	3							X										
	The second section of the country of the second second second second section is	10/21/08			П							X										
SW-E Trip Blank			_	1	V							X										
												:										
SPECIAL INSTRUCTIONS/COMMENTS Metals O.L.C. 2./ YOA	olc 2.1 YOAs plus hexachlorobutadiene.						24 hr	ROUND SH (SURC 	CHARGES	S APPLY)	X	. I. Resul . II. Resu	ts Only Its + QC		aries		PO#		DICE INFO	DRIMATION	
,,	- trichlorobenzene, trichlorofluo methane				5 –	F	REQUESTE	FAX DA	TE			_	III. Resu Summa		C and C	alibration	n	BILL	то:			
						F	REQUESTE	REPOR	T DATE						ion Repo Forms / C			a			·	
See QAPP						-						-	•		Yes		•	SUB	MISSION	#:		
SAMPLE RECEIPT: CONDITION/COC				STODY SEA		/ N		BECE	IVED B	,				_	UISHEI			+		RECEIVI	ED BY	
RELINQUISHED BY	RECEIVED BY		HE	LINQUISHED	в			HEUE.	IVED B					ELING	OIGHE	<i>-</i>				1120211		
Signature Printed Name	Significantly Cunds		gnature inted Name				Signature Frinted Name	9				Signa Printe	ure d Name						ature ed Name			
Marc Flanagan	HOLY KINGT		rm				irm					Firm				Firm		v				
Should	Date/Time	. I.	ate/Time		Date/Time				Date/Time Date/Time													
Date/Time /21/08 1500	PIZUOS 1000		-					ww.				<u></u>		,							8000	1102-0

Cooler Receipt And Preservation Check Form

Project/Clien	nt SN	حبرد			_Submi	ssion Numbe	r	284652	19	
Cooler recei	ved on 10	27.	0 2	by: P CC	URIEF	R: CAS 🚜	<u>PS</u> > FI	EDEX VEI	COCITY	CLIENT
 Wen Wen Did Did Wen /ol>	re custody re custody all bottles any VOA re Ice or Ice	seals pape arriv vials ce pa	on or or project of the control of t	outside of cooler? operly filled out (good condition (e significant* air oresent?	(ink, sig unbroke	ned, etc.)? n)?	3	YES NO YES NO YES NO YES N	0 0 1	N/A IT
				in 0° - 6° C?:	Yes	> Yes	Y	es >	'es	Yes
	No, Explai			•	No	No	Ŋ	10 1	No	No
Da	nte/Time To	empe	ratur	es Taken:	1012210	8 10				
Th	ermomete	r ID:	161	/ IR GUN#2 /	IRGUI	Readi				Sample Bottle
PC Secon Cooler Br 1. W 2. D 3. V	dary Revie reakdown: Vere all both Vere corrections of the correction of the correct	Dat tle la e labe t con	e:_bels els ar	packing/ice con-	alysis, p n custod sts indic t Ca	by: reservation, or y papers? cated?	Al etc.)? (WES TEST	NO NO NO	
pH	Reagent	 1		Lot Received	Exp	Sample ID	Vol. Added	Lot Add ed	Final pH	Yes = All samples OK
<u> </u>	NaOH	YES	МО		 		Added			samples out
≥12	HNO ₃				 					No =
<u>\$2</u> <u>\$2</u>	H ₂ SO ₄				 					Samples
Residual Chlorine	For TCN and Phenol			lf present, contact add ascorbic acid	PM to			\$17 x x 4	-11	preserved at lab as listed
<u> </u>	Na ₂ S ₂ O ₃	•	•			*Not to be to	estea beto ecorded b	ore analysis – y VOAs or G	рл enCh em	PM OK to Adjust:
	Zn Aceta	-	·		<u>.</u>	on a separat	e worksh	eet		Aujust.
	HCl	*	*	E50AII		_ ا				
Bottle lot Other Co		8-	21	z-002					·	

PC Secondary Review: _______*significant air bubbles are greater than 5-6 mm

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA	influent
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Lab Name:	CAS R	OCH			Contract:	IT-Latham	WINI A III	dent
Lab Code:	10145		Case No.:	R8-46549	SAS No	o.:	SDG No.: MRF	A INF
Matrix: (soil/w	vater)	WATE	₹		Lal	Sample ID:	1144399 2.5	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2448.D	
Level: (low/m	ned)	LOW			Dat	te Received:	10/15/08	
% Moisture: n	not dec.				Dat	e Analyzed:	10/22/08	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dilu	ıtion Factor:	1.0- 2.5	DL 12-2-8
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:	 (uL)

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	
75-00-3	Chloroethane	2	UUS
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	Ü
67-64-1	Acetone	12-8	80
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	UUJ
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	Ū
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	Ü
10061-02-6	trans-1,3-Dichloropropene	2	Ü
79-00-5	1,1,2-Trichloroethane	2	Ü
127-18-4	Tetrachloroethene	2	Ü
591-78-6	2-Hexanone	12	Ü
124-48-1	Dibromochloromethane	2	Ū
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	Ū
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	Ü
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Influent

CAS RO	OCH			Contract:	IT-Latham	L			
10145		Case No.:	R8-46549	SAS No	.:	SDG I	No.:	MRFA	INF
vater)	WATER	<u> </u>		Lat	Sample ID): 114	4399	2.5	
ol:	25.0	(g/ml)	ML	Lab	File ID:	W24	448.C)	
ned)	LOW			Dat	e Received	: 10/1	5/08		
not dec.				Dat	e Analyzed	: 10/2	2/08		
DB-VF	X ID:	0.18 (n	nm)	Dilu	ition Factor	4.0	2.	5	- PL 12-2-8
olume:		(uL)		Soil	Aliquot Voi	lume:			_ (uL)
	СОМ	POUND			ION UNITS UG/L	:		Q	
	10145 vater) ol: ned) not dec. DB-VF olume:	vater) WATER 25.0 ned) LOW not dec	10145 Case No.: vater) WATER ol: 25.0 (g/ml) ned) LOW not dec.	10145 Case No.: R8-46549 Vater	10145 Case No.: R8-46549 SAS No.	10145 Case No.: R8-46549 SAS No.:	10145 Case No.: R8-46549 SAS No.: SDG Notater) WATER	10145 Case No.: R8-46549 SAS No.: SDG No.: Vater) WATER	10145

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO
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Lab Name:	CAS R	OCH			Contract:	IT-Lathar	n [_'	NKF.	A Influe	∍nt
Lab Code:	10145	Cas	se No.:	R8-46549	SAS No). :	SDG N	lo.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	_		Lai	o Sample I	D: 1144	4399	2.5	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W24	48.E)	
Level: (low/n	ned)	LOW	_		Dat	te Receive	d: 10/1	5/08		
% Moisture: r	not dec.				Dat	te Analyze	d: 10/2	2/08		
GC Column:	DB-VF	<u> </u>	8 (m	ım)	Dilu	ıtion Facto	r: -1.0 -	2.	5 DĹ	12-2-8
Soil Extract Volume			_ (uL)		Soi	l Aliquot Vo	olume:			(uL)
				CON	ICENTRAT	ION UNITS	S:			
Number TICs	found:	0	_	(ug/L	. or ug/Kg)	UG/L				
CAS NO.		COMPOU	ND NAN	1E		RT I	EST. CO	ONC.	. (Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA Effluent

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	WIN A LINGS	31 IL
Lab Code:	10145		Case No.:	R8-46549	SAS No.	: S	DG No.: MRFA	INF
Matrix: (soil/w	vater)	WATER	₹		Lab	Sample ID:	1144400 1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML	Lab	File ID:	W2447.D	
Level: (low/m	ned)	LOW			Date	e Received:	10/15/08	
% Moisture: n	ot dec.				Date	e Analyzed:	10/22/08	
GC Column:	DB-VR	XX ID:	<u>0.18</u> (m	m)	Dilu	tion Factor:	1.0	
Soil Extract Ve	olume:		(uL)		Soil	Aliquot Volur	me:	(uL)

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	υu
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5.3	Ju.
75-15-0	Carbon Disulfide	7 7	U
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ü
75-34-3	1,1-Dichloroethane		U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	บนว
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	Ü
71-55-6	1,1,1-Trichloroethane	1	Ü
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	Ü
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
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
	1 .10 2.01001020110	<u> </u>	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	MRFA Effluer	nt
Lab Code:	10145		Case No.:	R8-46549	SAS No	o.: S	DG No.: MRFA IN	٧F
Matrix: (soil/v	vater)	WATER	₹		Lal	Sample ID:	1144400 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	File ID:	W2447.D	
Level: (low/m	ned)	LOW			Da	te Received:	10/15/08	
% Moisture: r	not dec.				Dat	te Analyzed:	10/22/08	
GC Column:	DB-VF	X ID:	0.18 (m	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Volu	me:	(uL

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	CH			Contract:	IT-Lath	am	WIKE	A EIII	uent
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SI	DG No.:	MRFA	\ INF
Matrix: (soil/w	ater)	WATE	₹		Lab	Sample	e ID:	1144400	1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML	Lab	File ID:	:	W2447.[)	
Level: (low/m	ed)	LOW			Dat	e Recei	ved:	10/15/08	}	
% Moisture: n	ot dec.				Dat	e Analyz	zed:	10/22/08	}	_
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	m)	Dilu	tion Fac	ctor:	1.0		
Soil Extract Volume			(uL)		Soil	Aliquot	Volur	me:		_ _ (uL)
				CON	CENTRAT	ON UN	ITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	/L	<u></u>		
CAS NO.		COMP	OUND NAM	IE		RT	ES	T. CONC	•	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPF A

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRF	A INIC
Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRF.	4 11/1F
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)

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	υv
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	Ü
75-35-4	1,1-Dichloroethene	1	Ü
67-64-1	Acetone	5.8	JU
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ü
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	Ü
107-06-2	1,2-Dichloroethane	i	Ü
71-55-6	1,1,1-Trichloroethane	1	Ü
56-23-5	Carbon Tetrachloride	0.1	J
71-43-2	Benzene	1	Ü
79-01-6	Trichloroethene	0.2	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	Ü
10061-01-5	cis-1,3-Dichloropropene	1	Ü
108-10-1	4-Methyl-2-Pentanone	5	Ü
108-88-3	Toluene	1	Ü
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	Ü
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene		U
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	Ü
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

1,2,3-Trichiorobenzene

87-61-6

EPA SAMPLE NO.

			DUPE A
CH	Contract: IT-Lathar		
Case No.: R8-46	549 SAS No.:	SDG No.:	MRFA INF
WATER	Lab Sample I	D: 114440 [.]	1 1.0
25.0 (g/ml) ML	Lab File ID:	W2449.	D
LOW	Date Receive	d: 10/15/08	 8
	Date Analyze	d: 10/22/08	3
X ID: 0.18 (mm)	Dilution Facto	r: 1.0	
(uL)	Soil Aliquot Vo	olume:	(uL)
C	ONCENTRATION UNITS	3 :	
COMPOUND (L	ıg/L or ug/Kg) UG/L		Q
1,4-Dichlorobenzene		1	U
		1	Ū
	propane	1	UUI
		1	U
		1	Ü
	Case No.: R8-46: WATER 25.0 (g/ml) ML LOW K ID: 0.18 (mm)	Case No.: R8-46549 SAS No.: WATER Lab Sample II 25.0 (g/ml) ML Lab File ID: LOW Date Receive Date Analyzed X ID: 0.18 (mm) Dilution Facto (uL) Soil Aliquot Vo CONCENTRATION UNITS COMPOUND (ug/L or ug/Kg) UG/L	CH Contract: IT-Latham Case No.: R8-46549 SAS No.: SDG No.: WATER Lab Sample ID: 114440 25.0 (g/ml) ML Lab File ID: W2449. LOW Date Received: 10/15/03 Date Analyzed: 10/22/08 K ID: 0.18 (mm) Dilution Factor: 1.0 Soil Aliquot Volume:

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N	0.
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Lab Name:	CAS RO	DCH			Contract:	IT-Lati	nam		UPEA	<u> </u>
Lab Code:	10145	Ca	se No.: R8	-46549	SAS No	.:	SE	OG No.:	MRFA	INF
Matrix: (soil/v	water)	WATER	_		Lat	Sampl	e ID:	1144401	1.0	
Sample wt/vo	ol:	25.0	(g/ml) M	L	Lab	File ID	:	W2449.[)	
Level: (low/n	ned)	LOW	_		Dat	e Rece	ved:	10/15/08	3	
% Moisture: r	not dec.				Dat	e Analy	zed:	10/22/08	}	_
GC Column:	DB-VF	<u> </u>	18 (mm)		Dilu	tion Fa	ctor:	1.0		_
Soil Extract V	olume:		_ (uL)		Soil	Aliquot	Volun	ne:		(uL)
				CON	CENTRAT	ON UN	ITS:			
Number TICs	found:	0	_	(ug/L	or ug/Kg)	UG	<u>/L</u>			
CAS NO.		COMPOL	IND NAME		_	RT	EST	. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

		CONCENTRATIO	ON UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
74-87-3	Chioromethane			1	U
75-01-4	Vinyl Chloride			1	Ū
74-83-9	Bromomethane			1	UUJ
75-00-3	Chloroethane			1	U
75-69-4	Trichlorofluorometh	nane		1	Ū
75-35-4	1,1-Dichloroethene			1	Ū
67-64-1	Acetone			51	su
75-15-0	Carbon Disulfide			1	U
75-09-2	Methylene Chloride			1	U
156-60-5	trans-1,2-Dichloroe	thene		1	U
75-34-3	1,1-Dichloroethane			1	Ū
156-59-2	cis-1,2-Dichloroethe	ene		1	U
78-93-3	2-Butanone			5	ULJ
74-97-5	Bromochlorometha	ne		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroethane			1	U
71-55-6	1,1,1-Trichloroethau	ne		1	U
56-23-5	Carbon Tetrachlorio	le		1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropropand	9		1	U
75-27-4	Bromodichlorometh	ane		1	U
10061-01-5	cis-1,3-Dichloroprop	pene		1	U
108-10-1	4-Methyl-2-Pentano			5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichloropr	opene		1	U
79-00-5	1,1,2-Trichloroethan	ie		1	U
127-18-4	Tetrachloroethene			1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorometh	ane		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-Tetrachloroe	thane		1	Ū
75-25-2	Bromoform			1	U
541-73-1	1,3-Dichlorobenzene	9		1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CAS		OCH			Contract:	IT-Latham	140	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: S	DG No.: MRFA I	NF
Matrix: (soil/w	vater)	WATE	R		Lat	Sample ID:	1144402 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2450.D	
Level: (low/m	ned)	LOW			Dat	e Received:	10/15/08	
% Moisture: n	not dec.				Dat	e Analyzed:	10/22/08	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volui	me:	(uL)

CAS NO.	COMPOUND	UG/L		Q			
106-46-7	1,4-Dichloroben	zene		1	U		
95-50-1	1,2-Dichloroben		1	U			
96-12-8	1,2-Dibromo-3-c	chloropropane		1	UUS		
120-82-1	1,2,4-Trichlorob			1	ll l		
87-68-3	Hexachlorobuta		1				
87-61-6 1,2,3-Trichlorobenz		enzene		1	II		

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO
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Lab Name: CAS R	ОСН	Contract:	IT-Latham	141	<u> </u>
Lab Code: 10145	Case No.: R8-465	49 SAS No	.:	SDG No.: MR	RFA INF
Matrix: (soil/water)	WATER	Lat	Sample ID	: 1144402 1.0)
Sample wt/vol:	25.0 (g/ml) ML	Lat	File ID:	W2450.D	
Level: (low/med)	LOW	Dat	e Received	: 10/15/08	
% Moisture: not dec.		Dat	e Analyzed:	10/22/08	
GC Column: DB-VI	RX ID: <u>0.18</u> (mm)	Dilu	ıtion Factor:	1.0	
Soil Extract Volume:	(uL)	Soil	Aliquot Vol	ume:	(uL)
	Co	CONCENTRATION UNITS:			
Number TICs found:	(u	g/L or ug/Kg)	UG/L		
CAS NO.	COMPOUND NAME		RT E	ST. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	ОСН			Contract:	IT-Latham	SW-B
Lab Code:	10145	-	Case No.:	R8-46549	SAS No	.: S	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATE	R		Lab		1144403 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML		File ID:	W2451.D
Level: (low/m	ned)	LOW			Dat	e Received:	10/15/08
% Moisture: r	not dec.				Dat	e Analyzed:	10/22/08
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	1.0
Soil Extract V	olume:		(uL)		Soil	Aliquot Volur	me: (uL

74-87-3 Chloromethane	CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
75-01-4	74-87-3	Chloromethane	1	T
74-83-9 Bromomethane				
75-00-3				
Trichlorofluoromethane	75-00-3			
75-35-4	75-69-4			
67-64-1 Acetone	75-35-4			
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 cls-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 79-01-6 Trichloroethene 1 U 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-8-3 Toluene 1 U 10061-02-6 trans-1,3-Dichloropropene 1 U 79-00-5	67-64-1			
75-09-2 Methylene Chloride				
156-60-5	75-09-2			
75-34-3	156-60-5			
156-59-2 cis-1,2-Dichloroethene 1 U 78-93-3 2-Butanone 5 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 <	75-34-3			
78-93-3 2-Butanone 5 U K 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 108-88-3 Toluene 1 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 127-18-6 2-Hexanone 5 U 124-48-1 Dibromochloromet	156-59-2			
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 5 U 127-18-6 2-Hexanone 5 U 124-48-1 Dibromochloromethane 1 U 108-93-4	78-93-3			
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 108-87-3 Tolichloropropene 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	74-97-5			
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-Dibromochloromethane 1 U 108-90-7 Chlorobenzene 1 U 100-41-4<	67-66-3			
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 127-18-4 Tetrachloroethene 1 U 127-18-4 Tetrachloroethene 1 U 127-18-4 Tetrachloroethene 1 U 124-48-1 Dibromochloromethane 1 U 106-93-4 1,2-Dibromochloromethane 1 U <td< td=""><td></td><td></td><td></td><td></td></td<>				
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 100-42-5 Sty	71-55-6			
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 129-05-5 1,1,2-Trichloroethane 1 U 129-18-4 Tetrachloroethane 1 U 129-17-8-6 2-Hexanone 5 U 129-17-8-6 2-Hexanone 1 U 106-93-4 1,2-Dibromoethane 1				
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 100-42-5 Styrene 1 U 79-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 <t< td=""><td></td><td></td><td></td><td></td></t<>				
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 130-20-7 o-Xylene 1 U 19-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 Bromoform 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				
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 130-42-5 Styrene 1 U 79-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 Bromoform 1 U		Bromodichloromethane		
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				
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				
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	108-88-3			
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	10061-02-6			
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				
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				
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				
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				
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	106-93-4			
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	108-90-7			
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				
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				
100-42-5 Styrene 1 U 79-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 Bromoform 1 U				
79-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 Bromoform 1 U				
75-25-2 Bromoform 1 U				
E44 70 4				
	541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SA	MP	LE	NO
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Lab Name:	CAS RO	СН	Contract: IT-Latham				n	244-P		
Lab Code:	10145	с	ase No.:	R8-46549	SAS No		SDG No.	: MRFA	INF	
Matrix: (soil/w	vater)	WATER	-		Lat	Sample II	D: <u>11444</u> 0	03 1.0		
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lab	File ID:	W2451	I.D		
_evel: (low/m	ned)	LOW	_		Dat	e Received	d: 10/15/0	28		
% Moisture: n	not dec.				Dat	e Analyzed	1: 10/22/0)8		
GC Column:	DB-VR	X ID: 0	.18 (m	nm)	Dilu	ıtion Factor	r: 1.0			
Soil Extract V	olume:		(uL)		Soil	Aliquot Vo	lume:		(uL)	
CAS NO.		COMP	POUND		CENTRATI	ION UNITS	 }:	0		

0/10/10.	COMPOUND	(ug/L or ug/Ng)	UG/L		Q
106-46-7	1,4-Dichlorober	zene		1	U
95-50-1	1,2-Dichlorober	1,2-Dichlorobenzene			U
96-12-8	1,2-Dibromo-3-0	chloropropane		1	בעט –
120-82-1	1,2,4-Trichlorob			1	II I
87-68-3	Hexachlorobuta			1	Ū
87-61-6	1,2,3-Trichlorob	enzene		1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO
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Lab Name:	CAS RO	OCH			Contract: IT-Latham			SW-B		
Lab Code:	10145	Ca	ase No.:	R8-46549	SAS No).:	SDO	3 No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			La	b Sample	e ID: 1	144403	3 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lal	File ID:	: V	/2451.[ວ	
Level: (low/m	ned)	LOW	_		Da	te Recei	ved: 1	0/15/08	3	_
% Moisture: r	not dec.				Da	te Analy:	zed: 10	0/22/08	}	_
GC Column:	DB-VF	<u> </u>	18 (m	m)	Dile	ution Fac	ctor: 1.	.0		-
Soil Extract V	olume:		(uL)		Soi	l Aliquot	Volume	e:		_ (uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	/L			
CAS NO.		COMPOL	JND NAM	ΙE		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CAS R		ОСН			Contract:	IT-Latham		M-29D		
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	o.:	SDG No.:	MRFA INF		
Matrix: (soil/v	water)	WATER	_		La	b Sample ID	: 1144406	2.0		
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	W2452.E)		
Level: (low/n	ned)	LOW			Da	te Received	: 10/15/08			
% Moisture: r	not dec.				Da	te Analyzed:	10/22/08			
GC Column:	DB-VF	RX ID: <u>0.1</u>	<u>18</u> (m	nm)	Dile	ution Factor:	40 Z.C	DL 12-2.	F	
Soil Extract V	olume:		_ (uL)		Soi	l Aliquot Vol	ume:	(uL)		

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	Uut
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	Ü
75-35-4	1,1-Dichloroethene	2	Ü
67-64-1	Acetone	10 %	BU
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	Ü
156-60-5	trans-1,2-Dichloroethene	2	Ü
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	0.3	J
78-93-3	2-Butanone	10	บ นว
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	Ū
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	10	Ū
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	Ū
100-42-5	Styrene	2	Ŭ
79-34-5	1,1,2,2-Tetrachloroethane	2	Ū
75-25-2	Bromoform	2	Ū
541-73-1	1,3-Dichlorobenzene	2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name:	CAS R	ОСН			Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R8-46549	SAS No).:	SDG No.:	MRFA	INF
Matrix: (soil/v	water)	WATE	R		La	b Sample II): <u>114440</u> 6	3 2.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	W2452.I	D	
_evel: (low/n	ned)	LOW			Da	te Received	i: <u>10/15/08</u>	}	-
% Moisture: ı	not dec.				Da	te Analyzed	10/22/08	}	
GC Column:	DB-V	RX ID:	<u>0.18</u> (m	nm)	Dik	ution Factor	: 1.0 -2.0)	DL 12-2-
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Vo	lume:		(uL)
				CON					

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS RO	OCH			Contract:	IT-Latham		M-29D	
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No).:	SDG No.:	MRFA II	٧F
Matrix: (soil/v	vater)	WATER	_		Lai	Sample ID	: 114440	6 2.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2452.	D	
Level: (low/n	ned)	LOW	<u></u>		Dat	te Received	: 10/15/08	3	
% Moisture: r	not dec.				Dat	te Analyzed	: 10/22/08	3	
GC Column:	DB-VF	X ID: <u>0.</u>	<u>18</u> (m	nm)	Dilu	ution Factor:	4.0 Z.c	>L	12-2-6
Soil Extract V	olume:		_ (uL)		Soi	l Aliquot Vol	ume:		(uL)
				CON	ICENTRAT	ION UNITS	:		
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/L			
CAS NO.		COMPOU	IND NAM	ИF		RT F	ST CONC	. 0	,

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D

Lab Name:	CAS RO	CH			Contract:	IT-Latham	141-27 D
Lab Code:	10145		Case No.:	R8-46549	SAS No.	.:S	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATER	₹		Lab	Sample ID:	1144407 1.0
Sample wt/vo	oł:	25.0	(g/ml)	ML	Lab	File ID:	W2474.D
Levei: (low/m	ned)	LOW			Dat	e Received:	10/15/08
% Moisture: r	not dec.				Date	e Analyzed:	10/23/08
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:	····	(uL)		Soil	Aliquot Volu	me:(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	Ü
74-83-9	Bromomethane		1	Ŭ
75-00-3	Chloroethane		1	Ü
75-69-4	Trichlorofluorom	ethane	0.3	J
75-35-4	1.1-Dichloroethe		1	Ŭ
67-64-1	Acetone		5 X	JU
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chlori		1	Ü
156-60-5	trans-1,2-Dichlor		1	Ū
75-34-3	1,1-Dichloroetha		1	Ü
156-59-2	cis-1,2-Dichloroe		1	Ü
78-93-3	2-Butanone		5	UU
74-97-5	Bromochloromet	hane	1	U
67-66-3	Chloroform		0.6	Ĵ
107-06-2	1,2-Dichloroethar	ne	1	Ŭ
71-55-6	1,1,1-Trichloroeth		1	U
56-23-5	Carbon Tetrachlo		9	
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		11	
78-87-5	1,2-Dichloropropa	ane	1	U
75-27-4	Bromodichlorome		1	Ū
10061-01-5	cis-1,3-Dichloropi		1	Ü
108-10-1	4-Methyl-2-Penta		5	Ü
108-88-3	Toluene		1	Ū
10061-02-6	trans-1,3-Dichloro	propene	1	Ü
79-00-5	1,1,2-Trichloroeth		1	Ū
127-18-4	Tetrachloroethene		1	Ū
591-78-6	2-Hexanone		5	Ū
124-48-1	Dibromochlorome	thane	1	Ū
106-93-4	1,2-Dibromoethar		1	Ū
108-90-7	Chlorobenzene		1	Ü
100-41-4	Ethylbenzene		1	Ü
1330-20-7	(m+p) Xylene		1	Ū
1330-20-7	o-Xylene		1	Ü
100-42-5	Styrene		1	Ü
79-34-5	1,1,2,2-Tetrachlor	oethane	1	Ü
75-25-2	Bromoform		1	Ü
541-73-1	1,3-Dichlorobenze	ne	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D Lab Name: CAS ROCH Contract: IT-Latham 10145 Lab Code: 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 Aliquot Volume: (uL)

CONCENTRATION UNITS:

Soil Extract Volume: _____ (uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1	U
95-50-1	1,2-Dichloroben			1	U
96-12-8	1,2-Dibromo-3-0	chloropropane		1	11/1
120-82-1	1,2,4-Trichlorob			1	וו
87-68-3		Hexachlorobutadiene			_ ii
87-61-6	1,2,3-Trichlorob			1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS R	OCH	-		Contract:	IT-Lati	nam		M-27D	
Lab Code:	10145	Ca	ase No.:	R8-46549	SAS No	.:	SD	G No.:	MRF	A INF
Matrix: (soil/v	vater)	WATER			Lal	Sampl	e ID: 1	144407	7 1.0	
Sample wt/vo	ol:	25.0	_ (g/mi)	ML	_ Lat	File ID	: V	V2474.[D	
Level: (low/n	ned)	LOW			Dat	e Rece	ived: 1	0/15/08	3	_
% Moisture: r	not dec.				Dat	e Analy	zed: 1	0/23/08	}	-
GC Column:	DB-VF	<u>RX</u> ID: <u>0</u> .	.18 (m	ım)	Dilu	ition Fa	ctor: 1	.0		_
Soil Extract V	olume:		(uL)		Soi	Aliquot	Volume	ə:		_ _ (uL)
				CON	CENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	i/L	_		
CAS NO.		COMPOL	JND NAN	/E		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name:	CAS R	OCH		Contract:	IT-Latham	275
Lab Code:	10145	(Case No.: R8-46549	SAS No	.:s	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATER		Lat	Sample ID:	1144408 1.0
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab	File ID:	W2453.D
Level: (low/m	ned)	LOW		Dat	e Received:	10/15/08
% Moisture: r	not dec.		·	Dat	e Analyzed:	10/22/08
GC Column:	DB-VF	RX ID:	0.18 (mm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)	Soil	Aliquot Volu	me: (uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	Ū
74-83-9	Bromomethane	1	บนป
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	Ū
75-35-4	1,1-Dichloroethene	1	Ü
67-64-1	Acetone	5	Ū
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	Ū
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	Ū
78-93-3	2-Butanone	5	UUJ
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	Ü
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	Ū
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	Ū
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO	СН			Contract:	IT-Latham	M-24I	D
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:s	DG No.: MRF	A INF
Matrix: (soil/w	vater)	WATER	₹		Lab	Sample ID:	1144408 1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lab	File ID:	W2453.D	
Levei: (low/m	ned)	LOW			Dat	e Received:	10/15/08	
% Moisture: n	not dec.				Dat	e Analyzed:	10/22/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volui	me:	 (uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q					
106-46-7	1,4-Dichloroben	zene		1	U					
95-50-1	1,2-Dichloroben	zene		1	U					
96-12-8	1,2-Dibromo-3-c			1	Uuj					
120-82-1	1,2,4-Trichlorob			1	U					
87-68-3	Hexachlorobuta			1	ii I					
87-61-6	1,2,3-Trichlorob			1	U					

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

Lab Name:	CAS RO	СН		Cont	ract:	IT-Latha	ım		M-24D	
Lab Code:	10145	C	ase No.: R8	-46549 SA	AS No	.:	SI	DG No.:	MRFA	INF
Matrix: (soil/w	vater)	WATER			Lal	Sample	ID:	1144408	3 1.0	
Sample wt/vo	oi:	25.0	(g/ml) <u>Ml</u>		Lat	File ID:		W2453.I)	
Level: (low/m	ned)	LOW			Dat	te Receiv	ed:	10/15/08	3	
% Moisture: n	not dec.				Dat	te Analyz	ed:	10/22/08	}	_
GC Column:	DB-VR	K ID: 0	.18 (mm)		Dilu	ıtion Fact	or:	1.0		
Soil Extract V	olume:		(uL)		Soi	l Aliquot ∖	/olur	ne:		_ (uL)
				CONCEN	ΓRΑΤ	ION UNIT	rs:			
Number TICs	found:	0		(ug/L or ug	g/Kg)	UG/L	-	·		
CAS NO.		COMPOL	JND NAME	_		RT	ES	T. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-331

Lab Name:	CAS R	OCH			Contract:	IT-Latham	Mi-331
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: s	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATE	3		Lat	Sample ID:	1144409 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2454.D
Level: (low/n	ned)	LOW			Dat	e Received:	10/15/08
% Moisture: r	not dec.				Dat	e Analyzed:	10/22/08
GC Column:	DB-VF	RX_ID:	0.18 (m	nm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me: (ul

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	ЭСН			Contract:	IT-Latham		M-33I	
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No). :	SDG No.:	MRFA	INF
Matrix: (soil/	water)	WATER	_		Lat	o Sample ID	: 114440	9 1.0	
Sample wt/ve	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2454.	D	
_evel: (low/r	ned)	LOW			- Dat	te Received	10/15/08	3	
% Moisture:	not dec.		_		Dat	te Analyzed:	10/22/08	3	
GC Column:	DB-VF	RX ID: 0.1		ım)	Dilu	ution Factor:	1.0		
Soil Extract \	/olume:		(uL)		Soil	l Aliquot Vol	ume:		(uL)
				CON	ICENTRAT	ION UNITS:			
CAS NO).	COMPO	DUND	(ug/L	or ug/Kg)	UG/L	<u>.</u>	Q	
106-46	6-7	1,4-Di	chlorobe	enzene			1	U	
95-50-	1	1,2-Di	chlorobe	enzene			1	U	
96-12-	8	1,2-Di	bromo-3	3-chloropro	pane		1	UU	7
120-82	!-1			benzene			1	U	-
87-68-3	3		hlorobu				1	Ū	

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAME	PLE	NO.

Lab Name:	CAS R	OCH			Contract:	IT-Latha	am	_	M-231	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	s	DG No.:	MRF	\ INF
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample	ID:	1144409	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:		W2454.I)	
Levei: (low/n	ned)	LOW			Dat	te Receiv	ed:	10/15/08	3	
% Moisture: r	not dec.				Dat	e Analyz	ed:	10/22/08	3	_
GC Column:	DB-VF	RX_ID:	0.18 (m	nm)	Dilu	ition Fac	tor:	1.0		_
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volui	me:		(uL)
					ICENTRAT					
Number TICs	found:	0		(ug/l	or ug/Kg)	UG/	<u>L</u>			
CAS NO.		COMP	OUND NAM	ΛE		RT	ES.	T. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name:	CAS RO	OCH			Contract:	IT-Latham		
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	·:	SDG No.: MRFA I	INF
Matrix: (soil/w	vater)	WATER	_		Lat	Sample ID:	: 1144410 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2455.D	
Level: (low/m	ned)	LOW	_		Dat	te Received:	10/15/08	
% Moisture: n	not dec.				Dat	te Analyzed:	10/22/08	
GC Column:	DB-VF	<u> </u>	18 (m	m)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		_ (uL)		Soil	l Aliquot Volu	ume:	(uL

COMPOUND (ug/L or ug/Kg) Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone	UG/L	1 1 1 1 1	Q U U U(d)
Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone		1 1 1	U U <i>U</i> Z
Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone		1	UUS
Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone		1	
Trichlorofluoromethane 1,1-Dichloroethene Acetone			U
1,1-Dichloroethene Acetone		1	
Acetone			U
		1	U
		5	U
Carbon Disulfide		1	U
Methylene Chloride		1	U
trans-1,2-Dichloroethene		1	U
1,1-Dichloroethane		1	U
cis-1,2-Dichloroethene		1	U
2-Butanone		5	UUJ
Bromochloromethane		1	U
Chloroform		1	U
1,2-Dichloroethane		1	Ü
1.1.1-Trichloroethane		1	U
		1	Ū
		1	Ū
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	Acetone Carbon Disulfide Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform	Acetone Carbon Disulfide Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane cis-1,3-Dichloropropene 4-Methyl-2-Pentanone Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane 2-Hexanone Dibromochloromethane ci,2-Dibromoethane Chlorobenzene Ethylbenzene (m+p) Xylene o-Xylene Styrene 1,1,2,2-Tetrachloroethane Bromoform	Acetone 5 Carbon Disulfide 1 Methylene Chloride 1 trans-1,2-Dichloroethene 1 1,1-Dichloroethane 1 cis-1,2-Dichloroethene 1 2-Butanone 5 Bromochloromethane 1 Chloroform 1 1,2-Dichloroethane 1 1,1,1-Trichloroethane 1 Carbon Tetrachloride 1 Benzene 1 Trichloroethene 1 1,2-Dichloropropane 1 Bromodichloromethane 1 cis-1,3-Dichloropropene 1 4-Methyl-2-Pentanone 5 Toluene 1 trans-1,3-Dichloropropene 1 1,1,2-Trichloroethane 1 1-Hexanone 5 Dibromochloromethane 1 1,2-Dibromoethane 1 1,2-Dibromoethane 1 1,2-Dibromoethane 1 1,2-Dibromoethane 1 1,2-Dibromoethane 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name:	CAS RO	DCH			Contract:	IT-Latham		
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	.: S	SDG No.: MRFA	INF
Matrix: (soil/w	vater)	WATER	_		Lat	Sample ID:	1144410 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2455.D	_
Level: (low/m	ned)	LOW	-		Dat	e Received:	10/15/08	_
% Moisture: r	not dec.				Dat	e Analyzed:	10/22/08	-
GC Column:	DB-VF	RX ID: 0.1	8 (n	nm)	Dilu	ıtion Factor:	1.0	_
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volu	ıme:	(uL)

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

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: C	AS ROCH		Contract:	IT-Lath	nam		M-33S	
Lab Code: 10	0145	Case No.: R8-4654	9 SAS No	.:	SD	G No.:	MRFA	INF
Matrix: (soil/wate	er) WATE	₹	Lat	Sampl	e ID: _1	1144410	1.0	
Sample wt/vol:	25.0	(g/ml) ML	Lat	File ID	: \	N2455.[D	_
Level: (low/med	d) <u>LOW</u>		Dat	e Recei	ived: 1	10/15/08	}	_
% Moisture: not	dec.		Dat	e Analy	zed: 1	0/22/08	}	
GC Column: [DB-VRX ID:	<u>0.18</u> (mm)	Dilu	ition Fa	ctor: 1	.0		_
Soil Extract Volu	ıme:	(uL)	Soil	Aliquot	Volum	e:		(uL)
			NCENTRAT					
Number TICs for	und: 0		/L or ug/Kg)	UG	/L			
CAS NO.	COMP	OUND NAME		RT	EST	. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	110	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: S	DG No.: MRFA IN	1F
Matrix: (soil/w	vater)	WATER	₹		Lab	Sample ID:	1144411 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML.	Lab	File ID:	W2456.D	
_evel: (low/m	ned)	LOW			Dat	e Received:	10/15/08	
% Moisture: n	ot dec.				Date	e Analyzed:	10/22/08	
GC Column:	DB-VF	X ID:	0.18 (m	m)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:	(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q			
74-87-3	Chloromethane	1	U			
75-01-4	Vinyl Chloride	1	Ü			
74-83-9	Bromomethane	1	UW			
75-00-3	Chloroethane	1	U			
75-69-4	Trichlorofluoromethane	1	Ū			
75-35-4	1,1-Dichloroethene	1	Ū			
67-64-1	Acetone	5 %	JU			
75-15-0	Carbon Disulfide	1	U			
75-09-2	Methylene Chloride	1	U			
156-60-5	trans-1,2-Dichloroethene	1	Ü			
75-34-3	1,1-Dichloroethane	1	Ü			
156-59-2	cis-1,2-Dichloroethene	1	Ü			
78-93-3	2-Butanone	5	UUS			
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	Ū			
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	Ŭ			
108-10-1	4-Methyl-2-Pentanone					
108-88-3	Toluene	1	U			
10061-02-6	trans-1,3-Dichloropropene	1	Ŭ			
79-00-5	1,1,2-Trichloroethane	1	Ŭ			
127-18-4	Tetrachloroethene	1	Ŭ			
591-78-6	2-Hexanone	5	Ŭ			
124-48-1	Dibromochloromethane	1	U			
106-93-4	1,2-Dibromoethane	1	U			
108-90-7	Chlorobenzene	1	Ü			
100-41-4	Ethylbenzene	1	Ŭ			
1330-20-7	(m+p) Xylene	1	Ü			
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	Ü			
541-73-1	1,3-Dichlorobenzene	1	U			

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	11D
'	

Lab Name:	CAS R	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-46549	SAS No	:	SDG No.: MI	RFA INF
Matrix: (soil/v	vater)	WATE	₹		Lab	Sample ID): 1144411 1.	0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2456.D	
Level: (low/m	ned)	LOW			Dat	e Received	: 10/15/08	
% Moisture: r	not dec.				Dat	e Analyzed	: 10/22/08	
GC Column:	DB-VF	RX ID:	0.18 (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume:	(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q					
106-46-7	1,4-Dichloroben	zene		1	U					
95-50-1	1,2-Dichloroben	zene		1	Ü					
96-12-8	1,2-Dibromo-3-c	chloropropane		1	Und					
120-82-1	1,2,4-Trichlorob			1	U					
87-68-3	Hexachlorobuta	diene		1	Ü					
87-61-6	1,2,3-Trichlorob			1	Ū					

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CA	S ROCH			Contract:	IT-Latha	am		11D	
Lab Code: 101	145	Case No.:	R8-46549	SAS No	.;	SD	G No.:	MRFA	INF
Matrix: (soil/water	r) <u>WATE</u>	R		Lat	Sample	ID: 1	144411	1.0	
Sample wt/vol:	25.0	(g/ml)	ML	Lab	File ID:	<u>v</u>	V2456.[)	_
Level: (low/med)	LOW			Dat	e Receiv	ed: 1	0/15/08	3	
% Moisture: not d	lec.			Dat	e Analyz	ed: 1	0/22/08	3	_
GC Column: DI	B-VRX ID:	<u>0.18</u> (mr	n)	Dilu	ition Fact	or: 1	.0		_
Soil Extract Volun	ne:	(uL)		Soil	Aliquot \	/olume	ə: <u> </u>		_ (uL)
			CON	CENTRAT	ION UNI	ΓS:			
Number TICs four	nd: 0		(ug/L	or ug/Kg)	UG/I				
CAS NO.	COMF	OUND NAM	E		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	TRIP BLANK	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:S	SDG No.: MRFA INF	=
Matrix: (soil/v	vater)	WATER	₹		Lab	Sample ID:	1144412 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2457.D	
Level: (low/m	ned)	LOW			Dat	e Received:	10/15/08	
% Moisture: r	not dec.				Dat	e Analyzed:	10/22/08	
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme: (ι	ıL)

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	บนว
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 U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	Ü
71-55-6	1,1,1-Trichloroethane	1	Ū
56-23-5	Carbon Tetrachloride	1	Ü
71-43-2	Benzene	1	Ū
79-01-6	Trichloroethene	1	Ū
78-87-5	1,2-Dichloropropane	1	Ū
75-27-4	Bromodichloromethane	1	Ū
10061-01-5	cis-1,3-Dichloropropene	1	Ū
108-10-1	4-Methyl-2-Pentanone	5	Ū
108-88-3	Toluene	1	Ü
10061-02-6	trans-1,3-Dichloropropene	1	Ü
79-00-5	1,1,2-Trichloroethane	1	Ü
127-18-4	Tetrachloroethene	1	Ü
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ū
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

EPA SAMPLE NO.

TRIP BLANK

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Lab Name: CAS RC	СН	Contract: IT-Latham	IRIP DLANK	
Lab Code: 10145	Case No.: R8-46549		DG No.: MRFA IN	— F
Matrix: (soil/water)	WATER	Lab Sample ID:	1144412 1.0	
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID:	W2457.D	_
_evel: (low/med)	LOW	Date Received:	10/15/08	
% Moisture: not dec.		Date Analyzed:	10/22/08	
GC Column: DB-VR	X ID: <u>0.18</u> (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volur	ne: (uL)
	CON	ICENTRATION 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-Dichlorohenzene		1 11	1

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N	10.
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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: (g/ml) ML 25.0 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/L Number TICs found: CAS NO. **COMPOUND NAME** RT EST. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS R	OCH		Contract: IT-La	ntham	
Lab Code:	10145	Ca	se No.: R8-46	5549 SAS No.:	SDG No.: MRFA IN	IF.
Matrix: (soil/w	vater)	WATER	<u> </u>	Lab Sam	ple ID: 1144413 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File I	D: <u>W2480.D</u>	
Level: (low/m	ned)	LOW	_	Date Rec	eived: 10/15/08	
% Moisture: r	ot dec.			Date Ana	lyzed: 10/23/08	
GC Column:	DB-VF	RX ID: 0.	18 (mm)	Dilution F	actor: 1.0	
Soil Extract V	olume:		_ (uL)	Soil Alique	ot Volume:((uL)

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	Ū
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	Ū
78-93-3	2-Butanone	5	UUJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	Ū
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	Ü
71-43-2	Benzene	1	Ū
79-01-6	Trichloroethene	1	Ü
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	Ü
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	Ū
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	Ū
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	Ū
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ū
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	i	Ŭ
79-34-5	1,1,2,2-Tetrachioroethane	1	Ü
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	U

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

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Lab N	ame:	CAS R	ОСН			Contract:	IT-Lat	ham	COC	DLER B	LK
Lab C	ode:	10145	Ca	se No.:	R8-46549	SAS No	o.:	S	DG No.:	MRFA	INF
Matrix	: (soil/v	vater)	WATER	_		Lai	b Samp	le ID:	114441:	3 1.0	
Sampl	e wt/vo	of:	25.0	(g/ml)	ML	Lal	b File II):	W2480.	D	
Level:	(low/m	ned)	LOW			- Da	te Rece	eived:	10/15/08	3	-
% Moi:	sture: r	not dec.		-		Dat	te Analy	/zed:	10/23/08	3	-
GC Co	olumn:	DB-VF	RX ID: 0.1	 18 (m	nm)	Dile	ution Fa	ctor:	1.0		-
Soil Ex	tract V	olume:		(uL)		Soi	l Aliquo	t Volur	me:		- (uL)
					CON	ICENTRAT	NON UN	NITS:			
C	AS NO	•	COMPO	DUND	(ug/L	or ug/Kg)	UC	S/L		Q	
	106-46	-7	1,4-Di	chlorobe	enzene				1	U	
9	95-50-1			chlorobe					1	Ŭ	
(96-12-8	3			3-chloropro	pane			1	Ŭ	11
1	120-82-	-1			benzene				1	Ü	۳

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

		,	, , , , , , , , , , , , , , , , , , ,	J = (4 /)		1100		1		
Lab Name:	CAS RO	ОСН			Contract:	IT-Latha	m	COC	DLER E	BLK
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SD	G No.:	MRF/	4 INF
Matrix: (soil/v	vater)	WATE	R		Lab	Sample	ID: _	1144413	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	1	N2480.[כ	
Level: (low/n	ned)	LOW			Dat	e Receive	ed: 1	10/15/08	}	_
% Moisture: r	not dec.				Dat	e Analyze	ed: 1	0/23/08	}	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	ım)	Dilu	tion Facto	or: _1	.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot V	olum	e:		(uL)
				CON	ICENTRAT	ON UNIT	S:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG/L				
CAS NO.		COMP	OUND NAM	ΛE		RT	EST	. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name:	CAS RO	CH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: S	DG No.: MRFA	INF
Matrix: (soil/w	vater)	WATE	R		Lat	Sample ID:	1144856 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2458.D	
Level: (low/m	ned)	LOW			Dat	te Received:	10/16/08	
% Moisture: r	not dec.				Dat	te Analyzed:	10/23/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	nm)	Dilu	ıtion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:	(uL)

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	51	su
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	Ü
71-55-6	1,1,1-Trichloroethane	1	Ū
56-23-5	Carbon Tetrachloride	1	Ü
71-43-2	Benzene	1	Ü
79-01-6	Trichloroethene	1	Ū
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	Ū
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	Ū
10061-02-6	trans-1,3-Dichloropropene	1	Ü
79-00-5	1,1,2-Trichloroethane	1	Ū
127-18-4	Tetrachloroethene	1	Ū
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ū
1330-20-7	(m+p) Xylene	1	Ŭ
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	Ü

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S Lab Name: CAS ROCH Contract: IT-Latham Lab Code: 10145 SAS No.: SDG No.: MRFA INF Case No.: R8-46549 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-Dichlorober	zene		1	11
95-50-1		1,2-Dichlorobenzene		1	ii ii
96-12-8	1,2-Dibromo-3-			1	บนป
120-82-1	1,2,4-Trichlorob			1	עאט
87-68-3	Hexachlorobuta			1	
87-61-6	1,2,3-Trichlorob	The second secon		1	- 11

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	DCH			Contract:	IT-La	atham)GC-4S	
Lab Code:	10145		Case No.:	R8-46549	SAS No).:	SD	G No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			La	b Sam	ple ID: 1	144856	3 1.0	
Sample wt/vo	ol:	25.0	(g/mi)	ML	Lal	File I	ID: V	N2458.I	D	
Level: (low/m	ned)	LOW			Da	te Rec	eived: 1	0/16/08	3	-
% Moisture: r	not dec.				Da	te Ana	lyzed: 1	0/23/08	3	•
GC Column:	DB-VF	X ID:	0.18 (m	m)	Dile	ution F	actor: 1	.0		•
Soil Extract V	olume:		(uL)		Soi	l Aliqu	ot Volum	e:		(uL)
				CON	NCENTRAT	ION U	INITS:			
Number TICs	found:	0		(ug/l	L or ug/Kg)	<u>u</u>	IG/L			
CAS NO.		COMPO	OUND NAM	1E		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name:	CAS RO	OCH			Contract:	IT-Latham	500 00
Lab Code:	10145	c	ase No.:	R8-46549	SAS No	.:	SDG No.: MRFA INF
Matrix: (soil/v	vater)	WATER			Lab	Sample ID:	: 1144857 1.0
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lab	File ID:	W2467.D
Level: (low/m	ned)	LOW			Dat	e Received:	: 10/16/08
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08
GC Column:	DB-VF	RX ID: C	.18 (n	nm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ume:(ul

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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							1 1	JGC-35	
Lab Name:	CAS RO	СН			Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.: F	R8-46549	SAS No	.: s	DG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER			Lab	Sample ID:	114485	7 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2467.	D	
Level: (low/m	ned)	LOW	_		Dat	e Received:	10/16/08	3	
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08	3	
GC Column:	DB-VR	X ID: 0.1	18 (mn	n)	Dilu	ition Factor:	1.0		
Soil Extract V	'olume: _		_ (uL)		Soil	Aliquot Volu	me:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO		COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	-7	1,4-Di	chlorober	nzene			1	U	
95-50-1	<u> </u>	1,2-Di	chlorober	nzene			1	U	
96-12-8	3	1,2-Di	bromo-3-c	chloropro	pane		1	UU	5

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAI	MPL	E	NO.

Lab Name: CAS I	ROCH	Contract: IT-Latham	DGC-35
Lab Code: 10145	Case No.: R8-4654	9 SAS No.: SI	DG 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-\	<u>/RX</u> ID: <u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract Volume:	(uL)	Soil Aliquot Volun	ne: (uL)
Number TICs found:	(ua	NCENTRATION UNITS: /L or ug/Kg) UG/L	
CAS NO.	COMPOUND NAME	RT EST	T. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-F

Lab Name:	CAS ROCH				Contract: IT-Lathar		377-1	
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	.: S	DG No.: MRFA	INF
Matrix: (soil/w	vater)	WATER	_		Lat	Sample ID:	1144858 1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML	Lat	File ID:	W2468.D	
Level: (low/m	ned)	LOW	_		Dat	e Received:	10/16/08	
% Moisture: n	ot dec.				Dat	e Analyzed:	10/23/08	
GC Column:	DB-VF	<u> X</u> ID: <u>0.</u>	18 (m	ım)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:	(uL

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	すり
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	Ū
541-73-1	1,3-Dichlorobenzene	1	Ū

Soil Extract Volume:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

(uL)

SW-F Lab Name: CAS ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA INF Lab Sample ID: 1144858 1.0 Matrix: (soil/water) WATER 25.0 Sample wt/vol: (g/ml) ML Lab File ID: W2468.D Level: (low/med) LOW Date Received: 10/16/08 Date Analyzed: 10/23/08 % Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS:

Soil Aliquot Volume:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorobenz	ene		1	U
95-50-1	1,2-Dichlorobenz	ene		1	U
96-12-8	1,2-Dibromo-3-c	hloropropane		1	UUJ
120-82-1	1,2,4-Trichlorobe	enzene		1	U
87-68-3	Hexachlorobutad	liene		1	U
87-61-6	1,2,3-Trichlorobe	enzene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: CAS Ro	CH	Contract:	IT-Latham		344-1
Lab Code: 10145	Case No.: R8-	46549 SAS No	.: 8	SDG No.:	MRFA INF
Matrix: (soil/water)	WATER	Lat	Sample ID:	1144858	1.0
Sample wt/vol:	25.0 (g/ml) ML	Lat	File ID:	W2468.E)
Level: (low/med)	LOW	Dat	te Received:	10/16/08	
% Moisture: not dec.		Dat	e Analyzed:	10/23/08	
GC Column: DB-VF	<u>RX</u> ID: <u>0.18</u> (mm)	Dilu	ıtion Factor:	1.0	
Soil Extract Volume:	(uL)	Soil	Aliquot Volu	ıme:	(uL)
		CONCENTRAT	ION UNITS:		
Number TICs found:	0	(ug/L or ug/Kg)	UG/L		
CAS NO.	COMPOUND NAME		RT ES	ST. CONC.	Q

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.:	SD	G No.: MRFA	INF
Matrix: (soil/w	vater) WATE	R	Lab	Sample ID:	1144859 1.0	
Sample wt/vo	l: <u>25.0</u>	(g/ml) ML	Lab	File ID:	<i>N</i> 2469.D	
Level: (low/m	ed) LOW		Date	Received: 1	10/16/08	
% Moisture: n	ot dec.		Date	Analyzed: 1	10/23/08	
GC Column:	DB-VRX ID:	<u>0.18</u> (mm)	Dilut	ion Factor: 1	.0	
Soil Extract Vo	olume:	(uL)	Soil	- Aliquot Volum	e:	(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	Ü	
74-83-9	Bromomethane	1 1	U
75-00-3	Chloroethane	1	Ü
75-69-4	Trichlorofluoromethane	1	Ü
75-35-4	1,1-Dichloroethene	1	Ü
67-64-1	Acetone	51	311
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ü
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	Ü
78-93-3	2-Butanone	5	UUJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	Ŭ
107-06-2	1,2-Dichloroethane	1	Ŭ
71-55-6	1,1,1-Trichloroethane	1	Ü
56-23-5	Carbon Tetrachloride	1	Ū
71-43-2	Benzene	1	Ü
79-01-6	Trichloroethene	1	Ü
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	Ü
10061-01-5	cis-1,3-Dichloropropene	1	Ü
108-10-1	4-Methyl-2-Pentanone	5	Ū
108-88-3	Toluene	1	Ü
10061-02-6	trans-1,3-Dichloropropene	1	Ū
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	Ū
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO
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			I SW-G
Lab Name: CAS RC	OCH	Contract: IT-Latham	377-0
Lab Code: <u>10145</u>	Case No.: R8-46549	SAS No.: SD	G No.: MRFA INF
Matrix: (soil/water)	WATER	Lab Sample ID: 1	144859 1.0
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID: V	V2469.D
Level: (low/med)	LOW	Date Received: 1	0/16/08
% Moisture: not dec.		Date Analyzed: 1	0/23/08
GC Column: DB-VR	X ID: <u>0.18</u> (mm)	Dilution Factor: 1	.0
Soil Extract Volume:	(uL)	Soil Aliquot Volume	e: (uL)
	CON	CENTRATION 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-chloropro	pane	1 047

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMF	PLE NO
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					1	_	
Lab Name:	CAS ROCH		Contract:	IT-Latha	am	S	W-G
Lab Code:	10145	Case No.: R8-4654	SAS No	.:	_ SDC	3 No.: _[MRFA INF
Matrix: (soil/wa	ater) <u>WA</u>	TER	Lal	Sample	ID: 1	144859	1.0
Sample wt/vol	25.0	(g/ml) ML	Lat	File ID:	W	/2469.D	
Level: (low/me	ed) <u>LOV</u>	V	Da	te Receiv	ed: 10)/16/08	
% Moisture: no	ot dec.		Dat	te Analyz	ed: 10)/23/08	
GC Column:	DB-VRX II	D: <u>0.18</u> (mm)	Dilu	ition Fact	or: 1.	0	
Soil Extract Vo	olume:	(uL)	Soi	Aliquot \	/olume	:	(uL)
		COI	NCENTRAT	ION UNI	ΓS:		
Number TICs f	ound:	0 (ug/	L or ug/Kg)	UG/I		_	
CAS NO.	COI	MPOUND NAME		RT	EST.	CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS RO	ОСН			Contract:	IT-Latham	SW-A	
Lab Code:	10145	(Case No.:	R8-46549	SAS No	.:S	DG No.: MRFA IN	F
Matrix: (soil/w	vater)	WATER	<u> </u>		Lat	Sample ID:	1144860 1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML	Lab	File ID:	W2470.D	
Level: (low/m	ned)	LOW			Dat	e Received:	10/16/08	
% Moisture: n	ot dec.				Dat	e Analyzed:	10/23/08	
GC Column:	DB-VF	X ID:	0.18 (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me: (uL)

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

1,2,4-Trichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

120-82-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE NO
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								SW-A	
Lab Name:	CAS RO	CH			Contract:	IT-Latham		344-A	
Lab Code:	10145	Ca	ase No.: R8	-46549	SAS No	.: 5	BDG No.:	MRFA	INF
Matrix: (soil/v	water)	WATER			Lat	Sample ID:	114486	0 1.0	
Sample wt/vo	ol:	25.0	(g/ml) M	L	Lat	File ID:	W2470.	D	
Level: (low/n	ned)	LOW			Dat	te Received:	10/16/08	3	
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08	}	
GC Column:	DB-VR	X ID: 0.	18 (mm)		Dilu	ition Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO		COMP	OUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	-7	1.4-D	ichlorobenze	ene			1	U	\neg
95-50-1	1		ichlorobenze				1	Ü	\dashv
96-12-8	3		ibromo-3-ch		pane		1	UU	1

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS R	ОСН			Contract:	IT-Lat	ham		SW-A	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SDC	3 No.:	MRFA	·INF
Matrix: (soil/v	water)	WATE	<u> </u>		Lat	Samp	le ID: 1	144860	1.0	
Sample wt/vo	oł:	25.0	(g/ml)	ML	Lat	File ID): W	/2470.[)	
Level: (low/n	ned)	LOW			Dat	e Rece	ived: 10	0/16/08	}	-
% Moisture: r	not dec.				Dat	e Analy	/zed: 10	0/23/08		_
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (m	nm)	Dilu	ition Fa	ctor: 1.	0		-
Soil Extract V	olume:		(uL)		Soil	Aliquo	t Volume	:		_ _ (uL)
				CON	CENTRAT	ON UN	IITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	6/L			
CAS NO.		СОМР	OUND NAM	ΛE		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CAS ROCH Contract: IT-Latham

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)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	Ü
74-83-9	Bromomethane		1	Ū
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluorom	nethane	1	Ū
75-35-4	1,1-Dichloroethe	ene	1	. U
67-64-1	Acetone		52	JU
75-15-0	Carbon Disulfide)	1	U
75-09-2	Methylene Chlor	ride	1	U
156-60-5	trans-1,2-Dichlo	roethene	1	U
75-34-3	1,1-Dichloroetha	ine	1	U
156-59-2	cis-1,2-Dichloro	ethene	1	Ü
78-93-3	2-Butanone		5	UKS
74-97-5	Bromochlorome	thane	1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroetha	ine	1	U
71-55-6	1,1,1-Trichloroet	hane	1	U
56-23-5	Carbon Tetrachl	oride	1	Ü
71-43-2	Benzene		1	Ū
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloroprop	ane	1	U
75-27-4	Bromodichlorom		1	U
10061-01-5	cis-1,3-Dichlorop		1	U
108-10-1	4-Methyl-2-Penta	anone	5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichlor	opropene	1	Ü
79-00-5	1,1,2-Trichloroet		1	U
127-18-4	Tetrachloroethen	е	1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochlorome	ethane	1	U
106-93-4	1,2-Dibromoetha	ne	1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	Ū
1330-20-7	(m+p) Xylene		1	Ŭ
1330-20-7	o-Xylene		1	Ŭ
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachlo	roethane	1	Ü
75-25-2	Bromoform		1	Ū
541-73-1	1,3-Dichlorobenz	ene	1	U

1A **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.

Lab Name:	CAS RO	ОСН			Contract:	IT-Latham	4D
Lab Code:	10145		Case No.: R	8-46549	SAS No	.:S	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATER			Lat	Sample ID:	1144861 1.0
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	ИL	Lab	File ID:	W2471.D
Level: (low/n	ned)	LOW			Dat	e Received:	10/16/08
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08
GC Column:	DB-VR	X ID:	0.18 (mm	1)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)		Soil	Aliquot Volui	me: (uL

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1	U
95-50-1	1,2-Dichloroben		1	U	
96-12-8	1,2-Dibromo-3-c	hloropropane		1	UUI
120-82-1	1,2,4-Trichlorobe			1	U
87-68-3	Hexachlorobutae	diene		1	Ü
87-61-6	1,2,3-Trichlorobe			1	ii i

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS R	OCH			Contract:	IT-Lati	ham		4D	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SD	G No.:	MRFA	INF
Matrix: (soil/v	water)	WATER	₹		Lat	Samp	le ID: 1	1144861	1 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID): <u>\</u>	N2471.I	ס	
Level: (low/n	ned)	LOW	<u>_</u>		Dat	e Rece	ived: 1	0/16/08	}	-
% Moisture: r	not dec.				Dat	e Analy	zed: 1	0/23/08	3	_
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	ım)	Dilu	ıtion Fa	ctor: 1	.0		-
Soil Extract V	olume:		(uL)		Soil	Aliquo	t Volum	e:		(uL)
				CON	CENTRAT	ION UN	IITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	6/L	 .		
CAS NO.		COMP	OUND NAI	/E		RT	EST	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ICS ANALYSIS DATA SHEET	M-25D
Contract: IT-Latham	

Lab Code: 10	145 Ca	se No.:	R8-46549	SAS No.:	SDG No.: MRFA INF
Matrix: (soil/wate	r) 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 o	lec			Date Analyzed:	10/23/08
00.0.1	D 1/D1/ ID 0				

 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)

Lab Name: CAS ROCH

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	Ū
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	Ü
75-69-4	Trichlorofluoromethane	2	Ü
75-35-4	1,1-Dichloroethene	2	Ū
67-64-1	Acetone	158	su
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	Ū
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	UKS
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	Ū
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	79 78	E
78-87-5	1,2-Dichloropropane	2	Ū
75-27-4	Bromodichloromethane	2	Ū
10061-01-5	cis-1,3-Dichloropropene	2	Ū
108-10-1	4-Methyl-2-Pentanone	12	Ū
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	Ū
106-93-4	1,2-Dibromoethane	2	Ū
108-90-7	Chlorobenzene	2	Ū
100-41-4	Ethylbenzene	2	Ü
1330-20-7	(m+p) Xylene	2	Ŭ
1330-20-7	o-Xylene	2	Ü
100-42-5	Styrene	2	Ü
79-34-5	1,1,2,2-Tetrachloroethane	2	Ü
75-25-2	Bromoform	2	Ü
541-73-1	1,3-Dichlorobenzene	2	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name:	CAS R	OCH			Contract:	IT-Latham			
Lab Code:	10145	(Case No.:	R8-46549	SAS No	D.:	SDG No.:	MRFA	INF
Matrix: (soil/	water)	WATER	<u>. </u>		La	b Sample ID): <u>114486</u>	2 2.5	
Sample wt/v	ol:	25.0	(g/ml)	ML	La	b File ID:	W2472.	D	
Level: (low/r	med)	LOW			Da	te Received	: 10/16/0	8	_
% Moisture:	not dec.				Da	te Analyzed	: 10/23/08	3	
GC Column:	DB-VF	RX ID:	0.18 (m	ım)	Dile	ution Factor	: 4.0 2.	5	DL 12-2-8
Soil Extract \	/olume:		(uL)		So	il Aliquot Vo	lume:		(uL)
				CON	ICENTRAT	ION UNITS	:		
CAS NO).	COM	POUND	(ug/L	or ug/Kg)	UG/L		Q	
400.40	· -								

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	Uiľ
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS R	ОСН			Contract:	IT-Latha	m		M-25D		
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SDG	No.:	MRF	A INF	
Matrix: (soil/v	vater)	WATE	R		Lat	Sample	_ ID: 114	44862	2 2.5		
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lab	File ID:	W2	2472.[)		
Level: (low/n	ned)	LOW			Dat	e Receive	ed: 10/	16/08			
% Moisture: r	not dec.				Dat	e Analyze	ed: 10/	23/08	1		
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	nm)	Dilu	ition Facto	or: -1:0	- Z.	5	- DL 12-2	2-
Soil Extract V	olume:		(uL)		Soil	Aliquot V	olume:			_ _ (uL)	
				CON	CENTRATI	ON UNIT	S:				
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/L		-			
CAS NO.		СОМР	OUND NAM	ΛE		RT	EST. C	ONC	-	Q	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS R	OCH		Contract:	IT-Latham	IIVII DEANI	`
Lab Code:	10145	Ca	se No.: <u>R8-46549</u>	SAS No	.: S	DG No.: MRFA II	NF
Matrix: (soil/v	vater)	WATER		Lab	Sample ID:	1144863 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab	File ID:	W2473.D	
Level: (low/m	ned)	LOW	_	Dat	e Received:	10/16/08	
% Moisture: r	not dec.			Dat	e Analyzed:	10/23/08	
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	18 (mm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		_ (uL)	Soil	Aliquot Volur	ne:	(uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
74-87-3	Chloromethane		T	1	U
75-01-4	Vinyl Chloride			1	U
74-83-9	Bromomethane			- -	U
75-00-3	Chloroethane			 -	U
75-69-4	Trichlorofluorom	ethane		1	U
75-35-4	1,1-Dichloroethe			1	U
67-64-1	Acetone			1	J
75-15-0	Carbon Disulfide			1	U
75-09-2	Methylene Chlor			1	U
156-60-5	trans-1,2-Dichlor		-	1	U
75-34-3	1,1-Dichloroetha			1	U
156-59-2	cis-1,2-Dichloroe			1	U
78-93-3	2-Butanone			5	UU
74-97-5	Bromochlorometi	hane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroethar	ne		1	Ü
71-55-6	1,1,1-Trichloroeth			1	U
56-23-5	Carbon Tetrachlo			1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropropa	ane		- 	U
75-27-4	Bromodichlorome			1	U
10061-01-5	cis-1,3-Dichloropa			1	U
108-10-1	4-Methyl-2-Penta	none		5	Ü
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichloro	propene		1	U
79-00-5	1,1,2-Trichloroeth			1	U
127-18-4	Tetrachloroethene			1	U
591-78-6	2-Hexanone	· · · · · · · · · · · · · · · · · · ·		5	U
124-48-1	Dibromochlorome	thane		1	U
106-93-4	1,2-Dibromoethan			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-Tetrachlore	pethane	1	1	U
75-25-2	Bromoform	- Out to HO		1	U
541-73-1	1,3-Dichlorobenze	ne	-	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name:	CAS RO	OCH			Contract:	IT-Latham	TR	IP BLAN	IK
Lab Code:	10145	Cas	se No.:	R8-46549	SAS No).:	SDG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	_		Lat	Sample ID:	: 114486	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2473.	.D	
Level: (low/m	ned)	LOW			Dat	te Received:	10/16/0	8	
% Moisture: r	not dec.					e Analyzed:			
GC Column:	DB-VR	X ID: 0.1	8 (m	ım)		ition Factor:			
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volu	ume:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO		COMPO	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	-7	1,4-Dic	hiorobe	enzene			1	U	\neg
95-50-1		1,2-Dic	hiorobe	nzene			1	Ü	_
96-12-8	3			-chloropro	pane		_	UU	1
400.00	_	1 1 - 1	· · · · · ·					1 0/1	٠, ا

1,2,4-Trichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS RO	СН			Contract:	IT-Latham	TR	P BLANK
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: :	SDG No.:	MRFA INF
Matrix: (soil/w	ater)	WATE	R		Lab	Sample ID:		
Sample wt/vol	l:	25.0	(g/ml)	ML		File ID:	W2473.I	
Level: (low/m	ed)	LOW			Dat	e Received:		
% Moisture: ne	ot dec.				Date	e Analyzed:	10/23/08	3
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	m)	Dilu	tion Factor:	1.0	
Soil Extract Vo	olume:		(uL)		Soil	Aliquot Volu	ıme:	(uL)
	_				CENTRATI	ON UNITS: UG/L		
Number TICs f	ound:	0		(~9/-	o. ug/1(g)	<u> </u>		
CAS NO.		СОМРО	OUND NAM	IE .		RT ES	ST CONC	0

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>CA</u>	AS ROCH	-		Contract:	IT-Latham	24A-D	
Lab Code: 10	145	Case No.:	R8-46549	SAS No	.: S	DG No.: MRFA II	NF
Matrix: (soil/wate	er) <u>WATE</u>	R		Lat	Sample ID:	1146625 1.0	
Sample wt/vol:	25.0	(g/ml)	ML	Lab	File ID:	W2679.D	
Level: (low/med)	LOW			Dat	e Received:	10/22/08	
% Moisture: not o	dec.			Dat	e Analyzed:	10/30/08	
GC Column: D	B-VRX ID:	<u>0.18</u> (mi	m)	Dilu	tion Factor:	1.0	
Soil Extract Volur	me:	(uL)		Soil	Aliquot Volur	ne:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	Ü
74-83-9	Bromomethane	1	UW
75-00-3	Chloroethane	<u> </u>	U
75-69-4	Trichlorofluoromethane	1	Ü
75-35-4	1,1-Dichloroethene	1	Ü
67-64-1	Acetone	52	su
75-15-0	Carbon Disulfide	1	Ü
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ü
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	Ü
78-93-3	2-Butanone	5	
74-97-5	Bromochloromethane	1	UUJ
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	JJ
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	Ü
78-87-5	1,2-Dichloropropane	1	Ü
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	Ü
108-10-1	4-Methyl-2-Pentanone	5	Ü
108-88-3	Toluene	1	Ü
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	Ü
591-78-6	2-Hexanone	5	Ü
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

EPA	SAMPL	E NO.
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Lab Name:	CAS ROC	H			Contract:	IT-Latham	2M-D	
Lab Code:	10145	_ (Case No.:	R8-46549	SAS No	: S	DG No.: MRFA	INF
Matrix: (soil/w	/ater) <u>V</u>	VATER			Lab	Sample ID:	1146625 1.0	
Sample wt/vo	l: <u>2</u>	5.0	(g/ml)	ML	Lab	File ID:	W2679.D	
Level: (low/m	ied) <u>L</u>	OW			Date	e Received:	10/22/08	
% Moisture: n	ot dec.				Date	e Analyzed:	10/30/08	
GC Column:	DB-VRX	_ ID: _0	0.18 (m	m)	Dilu	tion Factor:	1.0	
Soil Extract Ve	olume:		(uL)		Soil	Aliquot Volur	ne:	(uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorober	zene		1	11
95-50-1		1,2-Dichlorobenzene		1	11
96-12-8		1,2-Dibromo-3-chloropropane			UUS
120-82-1		1,2,4-Trichlorobenzene		1	0(0)
87-68-3	Hexachlorobuta			1 1	- 11
87-61-6	1,2,3-Trichlorob			1	<u>U</u>

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO.
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Lab Name:	CAS R	OCH			Contract:	IT-Lati	nam		SW-D	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SDO	G No.:	MRFA	\ INF
Matrix: (soil/v	vater)	WATER	<u> </u>		Lat	Sampl	— e ID: 1	146625	5 1.0	
Sample wt/vo	oł:	25.0	(g/ml)	ML	Lab	File ID	: V	/2679.[)	
Level: (low/n	ned)	LOW			Dat	e Rece	ived: 1	0/22/08	3	_
% Moisture: r	not dec.				Dat	e Analy	zed: 1	0/30/08		
GC Column:	DB-VF	X ID:	0.18 (m	m)	Dilu	ition Fa	ctor: 1.	0		_
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volume	e:		_ _ (uL)
				CON	CENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	/L			
CAS NO.		COMPC	OUND NAM	1E		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	OCH		Contract: IT-Lat	ham	SW-E	
Lab Code:	10145		Case No.: R8-46549	SAS No.:	SD	G No.: MRFA	INF
Matrix: (soil/v	vater)	WATE	₹	Lab Samp	le ID: 1	1146626 1.0	
Sample wt/vo	oi:	25.0	(g/ml) ML	Lab File ID): \ 	W2680.D	
Level: (low/n	ned)	LOW		Date Rece	ived: 1	10/22/08	
% Moisture: r	not dec.	-		Date Analy	/zed: 1	10/30/08	
GC Column:	DB-VF	RX ID:	0.18 (mm)	Dilution Fa	ctor: 1	.0	
Soil Extract V	olume:		(uL)	Soil Aliquot	t Volum	e:	(uL

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	บ็เป
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	Ü
75-09-2	Methylene Chloride	0.1	J
156-60-5	trans-1,2-Dichloroethene	1	Ü
75-34-3	1,1-Dichloroethane	. 1	Ü
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	Ü
71-55-6	1,1,1-Trichloroethane	1	Ü
56-23-5	Carbon Tetrachloride	0.1	1/1
71-43-2	Benzene	1	ر د 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	Ü
108-88-3	Toluene	1	Ü
10061-02-6	trans-1,3-Dichloropropene	1	Ü
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

EPA SAMPLE NO.

SW-E

Lab Name:	CAS RC	CH			Contract:	IT-Latham	OW-L	
Lab Code:	10145		Case No.:	R8-46549	SAS No.	:S	DG No.: MRFA	INF
Matrix: (soil/w	vater)	WATE	R		Lab	Sample ID:	1146626 1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML	Lab	File ID:	W2680.D	
Level: (low/m	ned)	LOW			Dat	e Received:	10/22/08	_
% Moisture: n	ot dec.				Date	e Analyzed:	10/30/08	_
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volui	me:	(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q		
106-46-7	1,4-Dichlorober	nzene		1	U		
95-50-1	1,2-Dichloroben	1,2-Dichlorobenzene		1	Ū		
96-12-8	1,2-Dibromo-3-0	1,2-Dibromo-3-chloropropane		1	7.41		
120-82-1	1,2,4-Trichlorob		-	1	11		
87-68-3	Hexachlorobuta	diene		1	Ü		
87-61-6	1,2,3-Trichlorob	enzene		1	U		

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS R	OCH			Contract:	IT-Lati	nam		SW-E	
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SD	G No.:	MRFA	INF
Matrix: (soil/v	water)	WATER			Lal	Sampl	 e ID: 1	146626	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID	: V	V2680.I)	
Level: (low/n	ned)	LOW			Dat	e Rece	ived: 1	0/22/08	;	_
% Moisture: r	not dec.				Dat	e Analy	zed: 1	0/30/08		_
GC Column:	DB-VI	<u> </u>	0.18 (m	ım)	Dilu	ition Fa	ctor: 1	.0		_
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volum	e:		(uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/L	. or ug/Kg)	UG	/L			
CAS NO.		СОМРО	UND NAI	ΛE		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS R	ОСН			Contract:	IT-Latham	IRIPE	BLANK
Lab Code:	10145		Case No.:	R8-46549			DG No.: MF	RFA INF
Matrix: (soil/w	vater)	WATE	R		Lab		1146627 1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML		File ID:	W2681.D	
Levei: (low/m	ned)	LOW			Dat	e Received:		
% Moisture: n	ot dec.				Date	e Analyzed:	10/30/08	
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volui	me:	(uL

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 75-69-4 1,1-Dichloroethane 1 U 67-64-1 Acetone 5 U 75-15-0 Carbon Disulfide 1 U 75-19-2 Methylene Chloride 1 U 156-60-5 trans-1,2-Dichloroethane 1 U 75-34-3 1,1-Dichloroethane 1 U 75-34-3 1,1-Dichloroethane 1 U 78-93-3 2-Butanone 5 U 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-Dichloromethane 1 U 71-43-2 Benzene 1	CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
75-01-4	74-87-3	Chloromethane		
74-83-9 Bromomethane	75-01-4			
75-00-3	74-83-9			
Trichlorofluoromethane	75-00-3			
75-35-4	75-69-4			
67-64-1 Acetone	75-35-4			
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 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 1 U 78-87-5 1,2-Dichloropropane 1 U 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-88-3 Toluene 1 U 108-88-3 Toluene<	67-64-1			
75-09-2 Methylene Chloride	75-15-0			
156-60-5 trans-1,2-Dichloroethene	75-09-2			
1.1-Dichloroethane	156-60-5			
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 78-87-5 1,2-Dichloropropane 1 U 10061-01-5 cis-1,3-Dichloropropene 1 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-10-1 4-Methyl-2-Pentanone 1 U 109-10-2	75-34-3			
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 108-88-3 Toluene 1 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-10-2-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U 127-18-4 Tetrachloroethene 1 U 127-18-6 2-Hexanone 5 U 124-48-1 Di	156-59-2			
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 108-83-3 Toluene 1 U 108-88-3 Toluene 1 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-88-3 Toluene 1 U 108-10-1 4-Methyl-2-Pentanone 1 U 109-10-2-6 trans-1,3-Dichloropropene 1 U 109-8-8-3 Toluene 1 U 127-18-4 Tetrachloroethane </td <td>78-93-3</td> <td></td> <td></td> <td></td>	78-93-3			
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 127-18-4 Tetrachloroethene 5 U 124-48-1 Dibromochloromethane 1 U 106-93-4 1,2-Dibromochloromethane 1 U 108-90	74-97-5			
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 108-88-3 Toluene 1 U 109-02-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U 127-18-4 Tetrachloroethene 1 U 127-18-4 Tetrachloroethene 5 U 124-48-1 Dibromochloromethane 1 U 106-93-4 1,2-Dibromochloromethane 1 U 108-90-7 </td <td>67-66-3</td> <td></td> <td></td> <td></td>	67-66-3			
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 106-10-2-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U 127-18-4 Tetrachloroethene 1 U 127-18-4 Tetrachloroethene 5 U 127-18-6 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	107-06-2		·	
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 106-93-4 1,2-Dibromoethane 1 U 100-41-4 Ethylbenzene 1 U 1330-20-7 (m+p) Xylene 1 U 1330-20-7 <t< td=""><td>71-55-6</td><td></td><td></td><td></td></t<>	71-55-6			
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 108-88-3 Toluene 1 U 108-88-3 Toluene 1 U 108-90-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U 127-18-4 Tetrachloroethane 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 1030-20-7 (m+p) Xylene 1 U 1330-20-7 0-Xylene	56-23-5			
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 75-25-2 Bromoform <td>71-43-2</td> <td></td> <td></td> <td></td>	71-43-2			
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 75-25-2 Bromoform 1 U 75-25-2 Bromoform	79-01-6			
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	78-87-5			
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 0-Xylene 1 U 100-42-5 Styrene 1 U 79-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 Bromform 1 U	75-27-4	Bromodichloromethane		
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		cis-1,3-Dichloropropene		
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	108-10-1	4-Methyl-2-Pentanone		
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	108-88-3			
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		trans-1,3-Dichloropropene		
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	79-00-5			
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	127-18-4			
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	591-78-6			
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	124-48-1			
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	106-93-4	1,2-Dibromoethane		
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				
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 4.2 Dishlarda 1 U	100-41-4			
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 4.2 Dishlar between 1 U	1330-20-7		· · · · · · · · · · · · · · · · · · ·	
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 4.2 Picklands 1 U	1330-20-7			
79-34-5				
75-25-2 Bromoform 1 U	79-34-5			
5/1-72.1	75-25-2	Bromoform		
	541-73-1	1,3-Dichlorobenzene	1	U

1A **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS R	OCH		Contract:	IT-Latham	THE DEATH	
Lab Code:	10145	c	ase No.: <u>R8-46549</u>	SAS No	.: S	DG No.: MRFA II	NF
Matrix: (soil/v	vater)	WATER		Lat	Sample ID:	1146627 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	W2681.D	
_evel: (low/n	ned)	LOW		Dat	e Received:	10/22/08	
% Moisture: r	not dec.			Dat	e Analyzed:	10/30/08	
GC Column:	DB-VF	<u> </u>	.18_ (mm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)	Soil	Aliquot Volu	me:	(uL
			CON	CENTRAT	ON HNITS:		

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorober	zene		1	U
95-50-1	1,2-Dichloroben	zene		1	- U
96-12-8	1,2-Dibromo-3-c	chloropropane		1	UIF
120-82-1	1,2,4-Trichlorob			1	11
87-68-3	Hexachlorobuta			1	<u> </u>
87-61-6	1,2,3-Trichlorob			1	- 11

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS RO	ОСН	_	Contract:	IT-Lat	ham	TRIP	BLANK
Lab Code:	10145		Case No.: R8-	 16549 SAS No		•	No.: N	IRFA INF
Matrix: (soil/w	ater)	WATE	R	 Lat	Samp	le ID: 11		
Sample wt/vo	ł:	25.0	(g/ml) ML		File ID		2681.D	
Level: (low/m	ed)	LOW		Dat	e Rece	ived: 10		
% Moisture: n	ot dec.					zed: 10		
GC Column:	DB-VR	X ID:	<u>0.18</u> (mm)		tion Fa			
Soil Extract Vo	olume:		(uL)	Soil	Aliquot	Volume		(uL)
				CONCENTRATI	ON UN	ITS:		
Number TICs f	found:	0	·	(ug/L or ug/Kg)	UG	/L	_	
CAS NO.		СОМР	OUND NAME		RT	EST. (CONC.	Q

-1-INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
13D			

Contract: R	2846549		13D	
Lab Code: _	Case No.:	SAS No.:	SDG NO.:	MRFA INFLUENT
Matrix (soi:	l/water): WATER	Lab Sample ID:	1144404	· · · · · · · · · · · · · · · · · · ·
Level (low/r	ned): LOW	Date Received:	10/15/2008	

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

CAS No.	Analyte	Concentration	С	Q	М
7440-47-3	Chromium	7.3	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:
Comments:				

INORGANIC ANALYSIS DATA SHEET

SAMI	نلىك	NO.		
DUPE	В			

Contract: R2846549					DUPE B		
Lab Code:		Case No.:	SAS No.:		SDG NO.:	MRFA I	NFLUENT
Matrix (soi	l/water):	WATER	Lab	Sample ID:	1144405		
Level (low/	med): LOV	7	Date	Received:	10/15/2008		

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

CAS No.	Analyte	Concentration	С	Q	М
7440-47-3	Chromium	10.1			P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	***************************************
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

-1-INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
M-27D		

Code:	Case No.:	SAS No.:	SDG NO.:	MRFA INFLUEN
rix (soil/water):	WATER	Lab Sample ID:	1144407	
rel (low/med): I	OW	Date Received:	10/15/2008	

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

	CAS No.	Analyte	Concentration	С	Q	М
1	7440-47-3	Chromium	0.810	В		P

Color Before	: COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					·
-					

-1-

INORGANIC ANALYSIS DATA SHEET

	SAMPLE	NO.
ſ	SW-B	

Contract: R2846549		SW-B	
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	С	Q	м
7440-47-3	Chromium	0.596	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:			***************************************	All the second s	· · · · · · · · · · · · · · · · · · ·

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

Client Sample ID : SW-B

Date Sampled : 10/14/08 15:05 Date Received: 10/15/08 Order #: 1144403

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

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

Client Sample ID : 13D

Date Sampled : 10/14/08 14:15 Date Received: 10/15/08

Order #: 1144404

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	_

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

Client Sample ID : DUPE B

Sample Matrix: WATER Order #: 1144405

Date Sampled: 10/14/08 Date Received: 10/15/08 Submission #: R2846549

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/15/08 11:17	1.0

Reported: 12/04/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #129926

Client Sample ID : M-27D

Order #: 1144407 Sample Matrix: WATER

Date Sampled: 10/14/08 14:45 Date Received: 10/15/08 Submission #: R2846549

All							·
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

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	SMC1	TOT	
	SAMPLE NO.	#	OUT	
01	VBLK01	95	0	
02	LCS01	107	0	
03	MRFA EFFLUE	T 100	0	
04	MRFA INFLUEN	r 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 INFLUEN	Γ 110	0	(MS)
16	MRFA INFLUEN	111	0	(MSD)
17	LCS02	111	0	
18	VBLK02	98	0	j
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]

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	SMC1	TOT
	SAMPLE NO.	#	OUT
34	SW-E	105	0
35	TRIP BLANK	107	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

COVER PAGE - INORGAN	VIC ANALYSIS DATA PACK	AGE		
Contract: R2846549		SDG No.: MRFA INFLUE		
Lab Code: Case 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	3	
Were ICP background corrections applied?		Yes/No YES	8	
If yes-were raw data generated before			· ·	
application of background corrections?		Yes/No NO		
Comments: See Attatched Case Narrative				
Signature: Muhulk Ver	Name: Michael Perry			
Date: 12/18/02	Title: Laboratory Dir	ector		

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No MRFA Influent

	SPIKE	SAMPLE	MS	MS	QC
	ADDED CONCENTRATION CONC		CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC I	IMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA InfluentMS

Lab Name:	CAS R	ОСН			Contract:	IT-Latham	IWIKFA	influentMS
Lab Code:	10145		Case No.:	R8-46549	SAS No).:	SDG No.:	MRFA INF
Matrix: (soil/v	vater)	WATER	<u> </u>		Lal	b Sample ID:	: 1158563	2.5
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2459.E)
Level: (low/n	ned)	LOW			Dat	te Received:	10/15/08	
% Moisture: r	not dec.				Dat	te Analyzed:	10/23/08	
GC Column:	DB-VF	RX ID:	0.18 (m	ım)	Dilu	ition Factor:	4.0 2.5	DL 12-2-8
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:	(uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		14	1
75-01-4	Vinyl Chloride		13	
74-83-9	Bromomethane		13	
75-00-3	Chloroethane		13	
75-69-4	Trichlorofluorom	ethane	13	-
75-35-4	1,1-Dichloroethe		13	
67-64-1	Acetone		5	J
75-15-0	Carbon Disulfide		2	U
75-09-2	Methylene Chior		13	-
156-60-5	trans-1,2-Dichlor		12	
75-34-3	1,1-Dichloroetha		13	
156-59-2	cis-1,2-Dichloroe		12	
78-93-3	2-Butanone		12	U
74-97-5	Bromochloromet	hane	13	<u> </u>
67-66-3	Chloroform		21	
107-06-2	1,2-Dichloroetha	ne	13	
71-55-6	1,1,1-Trichloroeth		12	
56-23-5	Carbon Tetrachic		58	
71-43-2	Benzene		12	
79-01-6	Trichloroethene		69	E
78-87-5	1,2-Dichloropropa	ane	12	
75-27-4	Bromodichlorome		13	
10061-01-5	cis-1,3-Dichloropi		12	
108-10-1	4-Methyl-2-Penta		12	U
108-88-3	Toluene		12	
10061-02-6	trans-1,3-Dichloro	propene	12	
79-00-5	1,1,2-Trichloroeth		13	
127-18-4	Tetrachloroethene		12	-
591-78-6	2-Hexanone		12	U
124-48-1	Dibromochlorome	thane	13	
106-93-4	1,2-Dibromoethan		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-Tetrachlor	oethane	14	
75-25-2	Bromoform	·	13	
541-73-1	1,3-Dichlorobenze	ne	12	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

EPA SAMPLE NO.

11

12

Lab Name: CAS	ROCH	Contract:	IT-Latham	MRFA Inf	luentMS
Lab Code: <u>1014</u>	Case No.: R8	3-46549 SAS No.	: SI	DG No.: MF	RFA INF
Matrix: (soil/water)	WATER	Lab	Sample ID:	1158563 2.5	5
Sample wt/vol:	25.0 (g/ml) M	L 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-	<u>/RX</u> ID: <u>0.18</u> (mm)	Dilut	ion Factor: -	1.0· 2.5	DL 12-2-8
Soil Extract Volume	(uL)	Soil	Aliquot Volun	ne:	(uL)
		CONCENTRATION	ON UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorobenz	ene		12	
95-50-1	1,2-Dichlorobenz	ene		13	
96-12-8	1,2-Dibromo-3-ch			12	
120-82-1	1.2.4-Trichlorober			13	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	OCH			Contract:	IT-Latham	MRFA	IntiuentMSD	
Lab Code:	10145	Ca	ase No.:	R8-46549	SAS No	.: §	DG No.:	MRFA INF	
Matrix: (soil/v	vater)	WATER			Lat	Sample ID:	1158564	1 2.5	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W2460.I)	
Level: (low/m	ned)	LOW	_		Dat	e Received:	10/15/08	}	
% Moisture: n	not dec.				Dat	e Analyzed:	10/23/08		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	18 (m	nm)	Dilu	ition Factor:	1.0 2.5	5 DL 12-0	ي-2
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volu	me:	(uL)	

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	Ü
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	<u> </u>
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	<u> </u>
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		
541-73-1	1,3-Dichlorobenzene	13	
	110 DIGITION ODGITZGITG	12	

1A **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.

13

Lab Name:	CAS RO	СН			Contract:	IT-Latham	MRFA	Influent	MSD
Lab Code:	10145	Cas	e No.:	R8-46549	SAS No):	SDG No.:	MRFA I	NF
Matrix: (soil/v	vater)	WATER			Lat	Sample ID	: 1158564	4 2.5	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lat	File ID:	W2460.I	D	
Level: (low/n	ned)	LOW			Dat	te Received:	10/15/08	3	
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08	3	
GC Column:	DB-VR	X ID: 0.18	8_ (m	m)		ition Factor:			- 12-2-8
Soil Extract V	olume: _		(uL)			Aliquot Volu			(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO	•	COMPO	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	-7	1,4-Dic	hlorobe	enzene			12		
95-50-1			1,2-Dichlorobenzene				12		_
96-12-8	}		1,2-Dibromo-3-chloropro				12		
_120-82-	<u>·1</u>		1,2,4-Trichlorobenzene				13		-
87-68-3	<u> </u>	Hexach					11		7
87-61-6				benzene			13		

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No M-27D

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QCL	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name:	CAS R	OCH			Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	.: 9	SDG No.:	MRFA IN	1F
Matrix: (soil/v	vater)	WATER	_		Lab	Sample ID:	1158598	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2475.D		
Level: (low/n	ned)	LOW	_		Dat	e Received:	10/15/08		
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08		
GC Column:	DB-VF	<u> </u>	18 (m	ım)	Dilu	tion Factor:	1.0		
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volu	ıme:		(uL

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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name:	CAS R	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-46549	SAS No	.: S	DG No.: MRFA	INF
Matrix: (soil/v	vater)	WATER			Lat	Sample ID:	1158598 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2475.D	
Level: (low/m	ned)	LOW			Dat	e Received:	10/15/08	
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08	_
GC Column:	DB-VF	RX_ID:	0.18 (m	ım)	Dilu	tion Factor:	1.0	_
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:	_ (uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		5	
95-50-1	1,2-Dichloroben		5		
96-12-8	1,2-Dibromo-3-c		5		
120-82-1	1,2,4-Trichlorob			5	
87-68-3	Hexachlorobuta		5		
87-61-6	1,2,3-Trichlorob		5		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMSD

Lab Code: 10145 Case No.: R8-46549 SAS No.: SDG No.: MRFA II 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:	Lab Name:	CAS R	OCH			Contract:	IT-Latham		
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	Lab Code:	10145	с	ase No.:	R8-46549	SAS No	.:	SDG No.: MRFA II	٧F
Level: (low/med)	Matrix: (soil/w	vater)	WATER			Lat	Sample ID:	1158599 1.0	
% Moisture: not dec. Date Analyzed: 10/23/08 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0	Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2476.D	
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0	Level: (low/m	ned)	LOW			Dat	e Received:	10/15/08	
Diagon dotti.	% Moisture: n	ot dec.				Dat	e Analyzed:	10/23/08	
Soil Extract Volume: (uL) Soil Aliquot Volume:	GC Column:	DB-VF	<u> </u>	.18 (m	m)	Dilu	tion Factor:	1.0	
, , ,	Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:	(uL)

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	0			
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					

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMSD

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Lab Name:	CAS R	OCH			Contract:	IT-La	atham	141-	ZIDNIS	
Lab Code:	10145	Cas	se No.: R	3-46549	SAS N	o.:	SE	G No.:	MRFA	INF
Matrix: (soil/v	water)	WATER			La	ab Sam	ple ID:	1158599	9 1.0	
Sample wt/vo	ol:	25.0	(g/ml) M	L	La	b File i	D:	W2476.I	D	
Levei: (low/n	ned)	LOW	_		Da	ate Rec	eived: '	10/15/08	3	-
% Moisture: r	not dec.		-		Da	ate Ana	lyzed: 1	10/23/08	}	•
GC Column:	DB-VF	RX ID: 0.1	8 (mm)		Dil	lution F	actor: 1	1.0		
Soil Extract V	olume:		(uL)		So	il Aliqu	ot Volum	ie:		(uL)
				CON	CENTRA	TION U	NITS:			
CAS NO).	СОМРО	UND	(ug/L	or ug/Kg)	<u> </u>	G/L		Q	
106-46	-7	1,4-Dic	chlorobenz	ene				5		
95-50-	1		chlorobenz					5		-

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachiorobutadiene

96-12-8

87-68-3

87-61-6

120-82-1

METALS -5A-

SPIKE SAMPLE RECOVERY

~-	 LE	NO

Contr	act: R2846!	549					M-27DS			
			se No.: SAS No.:			SDG NO.:			ENT	
	x (soil/wat ids for Sam	mple: 100	.0				(low/med):	FOM		
		Concent	ration	Units (ug/L o	or mg/kg d	ry weight)	: UG/L	•		
ĺ	Analyte	Control Limit %R	Spiked Result	Sample (SSR) C	Samp Result		Spike Added (SA)	%R	QM	1
Ī	Chromium	75 - 125		204.00		0.81 B	200.0	102	F	<u> </u>

METALS -5B-

POST DIGEST SPIKE SAMPLE RECOVERY

Contract:	R2846549			M-27DA				
Lab Code:		Case No.:	SAS		SDG NO.:	MRFA INFLUENT		
Matrix (so	il/water):	WATER		Level	(low/med):	LOW		
	W	Concentration Units:	ug/L		- 100	-	-	

Analyte	Control Limit %R	Spiked Result	Sample (SSR)	C	Sample Result (SR)	С	Spike Added(SA)	%R	Ö	м
Chromium	1		206.00		0.8:	LВ	200.0	103		P

Comments:

Analyte

Chromium

Control

Limit

METALS -6-DUPLICATES

Q Z	MDT.E	MO

C

0.90 B

RPD

₽

entract: R2846549		
b Code:	Case No.:	SAS No.: SDG NO.: MRFA INFLUEN
trix (soil/water):	WATER	Level (low/med): LOW
Solids for Sample:	100.0	% Solids for Duplicate: 100.0

0.81 B

Duplicate (D)

Sample (S)

Comments.				

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

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No LCS01

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	%	LIMITS	
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS R	ОСН			Contract:	IT-Latham	LCS01	
Lab Code:	10145		Case No.: R8-46549		SAS No	.: S	SDG No.: MRFA	INF
Matrix: (soil/w	vater)	WATE	R		Lat	Sample ID:	1158562 1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lab	File ID:	W2445.D	
Level: (low/m	ned)	LOW	····		Dat	e Received:		ı
% Moisture: n	not dec.				Dat	e Analyzed:	10/22/08	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:	(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	6	1
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	<u> </u>
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	2	1
75-15-0	Carbon Disulfide	1	Ü
75-09-2	Methylene Chloride	6	0
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		- 11
108-88-3	Toluene	5	U
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	
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	5	
1330-20-7	o-Xylene	10	
100-42-5		5	
79-34-5	Styrene 11.1.2.2 Tetrophless the	5	····
75-25-2	1,1,2,2-Tetrachloroethane	5	
73-25-2 541-73-1	Bromoform	5	
J4 1-/ J-1	1,3-Dichlorobenzene	5	

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

5

5

4

5

Lab Name:	CAS R	OCH			Contract:	IT-Latham	<u> </u>			
Lab Code:	10145	Cas	se No.: F	R8-46549	SAS No	·.:	SDG N	lo.:	MRFA	INF
Matrix: (soil/v	water)	WATER	-		Lal	Sample ID): 115	8562	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	W24	45.E)	
Level: (low/n	ned)	LOW			Dat	te Received	l:			
% Moisture: r	not dec.				Dat	te Analyzed	: 10/2	2/08		
GC Column:	DB-VI	RX ID: 0.1	8 (mn	1)	Dilu	ıtion Factor	: 1.0			
Soil Extract V	/olume:		_ (uL)		Soi	l Aliquot Vo	lume:			(uL)
				CON	CENTRAT	ION UNITS	:			
CAS NO).	COMPO	UND	(ug/L	or ug/Kg)	UG/L			Q	
106-46	i-7	1,4-Dic	chlorober	zene				5		
95 - 50-	1	1,2-Did	chlorober	zene				5		

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No LCS02

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name:	CAS RO	CH			Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R8-46549	SAS No		SDG No.:	MRFA II	NF
Matrix: (soil/w	vater)	WATER	<u> </u>		Lab	Sample ID): <u>115859</u>	7 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	W2464.	.D	
Level: (low/m	ned)	LOW			Dat	e Received	l:		
% Moisture: r	not dec.				Dat	e Analyzed	10/23/0	8	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	ım)	Dilu	ition Factor	: 1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Vo	lume:		(uL)

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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA SAMPLE NO.

Lab Name:	CAS R	ОСН			Contract:	IT-Latham		LCS02	
Lab Code:	10145	Са	se No.: R	3-46549	SAS No	.: 6	SDG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	_		Lat	Sample ID:	115859	7 1.0	_
Sample wt/vo	oł:	25.0	(g/ml) M	L	Lab	File ID:	W2464	.D	
Level: (low/m	ned)	LOW	<u>.</u>		Dat	e Received:			
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/0	8	
GC Column:	DB-VF	<u> </u>	18 (mm)		Dilu	tion Factor:	1.0		
Soil Extract V	olume:		_ (uL)		Soil	Aliquot Volu	ıme:		(uL)
CAS NO		COMPO	NIND		CENTRAT	ON UNITS:		_	

	(46	Jie 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-chlorop	5		
120-82-1	1,2,4-Trichlorobenzene	5		
87-68-3	Hexachlorobutadiene		5	
87-61-6	1,2,3-Trichlorobenzene	}	5	

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No LCS03

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS03

Lab Name:	CAS R	OCH			Contract:	IT-Latham	<u> </u>	
Lab Code:	10145		Case No.: R8	3-46549	SAS No.	: S	SDG No.:	MRFA INF
Matrix: (soil/v	vater)	WATER	₹		Lab	Sample ID:	1158778	1.0
Sample wt/vo	ol:	25.0	(g/ml) <u>M</u>	L	Lab	File ID:	W2676.D	
Level: (low/m	ned)	LOW			Date	e Received:		
% Moisture: r	not dec.				Date	e Analyzed:	10/30/08	
GC Column:	DB-VF	RX ID:	0.18 (mm)		Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:	(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	0
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	<u> </u>
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMF	LE NO
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6

5

5

Lab Name:	CAS RO	ОСН			Contract:	IT-Latham		LCS03	
Lab Code:	10145	Cas	se No.: R	8-46549	SAS No.	.:	SDG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	-		Lab	Sample ID			
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	1L		File ID:	W2676.		
Level: (low/n	ned)	LOW			Date	e Received:	•		•
% Moisture: r	not dec.				Date	e Analyzed:	10/30/08	3	•
GC Column:	DB-VR	X ID: 0.1	8 (mm))		tion Factor:			
Soil Extract V	olume:		(uL)			Aliquot Volu			(uL)
				CON	CENTRATI	ON UNITS:			
CAS NO	•	COMPO	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	-7	1.4-Dic	chlorobenz	ene			5	T	
95-50-1			chlorobenz				5	 	
96-12-8	3		oromo-3-ch		ane		5	-	
120-82-	-1		richlorobe				6	1	\dashv
1							•		- 1

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-61-6

87-68-3

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract:	R2846549						
Lab Code:		Case No.:	SAS No.:	SDG	NO.:	MRFA	INFLUENI
Solid LCS	Source:					-	
Aqueous LC	S Source:	CPI					

	Aqueous	(ug/L)		Solid (mg/kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Chromium	200	200	100				l	

Comments:

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)

Ν

Instrument ID: GCMS #6

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: (CAS ROCH			Contract:	IT-Latham	· · ·	
Lab Code: 1	0145	Case No.:	R8-46549	SAS No	.: S	DG No.: MRFA I	INF
Matrix: (soil/wa	iter) WATE	R		Lab	Sample ID:	1158561 1.0	
Sample wt/vol:	25.0	(g/ml)	ML	Lab	File ID:	W2444.D	
Level: (low/me	d) LOW			Dat	e Received:		
% Moisture: no	t dec.			Dat	e Analyzed:	10/22/08	
GC Column:	DB-VRX ID:	<u>0.18</u> (m	m)	Dilu	tion Factor:	1.0	
Soil Extract Vol	lume:	(uL)		Soil	Aliquot Volu	me:	(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	Ü
74-83-9	Bromomethane	1	Ü
75-00-3	Chloroethane	1	Ŭ
75-69-4	Trichlorofluoromethane	1	Ü
75-35-4	1,1-Dichloroethene	1	Ū
67-64-1	Acetone	5	Ū
75-15-0	Carbon Disulfide	1	Ü
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ü
75-34-3	1,1-Dichloroethane	1	Ū
156-59-2	cis-1,2-Dichloroethene	. 1	Ü
78-93-3	2-Butanone	5	Ū
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	Ū
56-23-5	Carbon Tetrachloride	1	Ū
71-43-2	Benzene	1	Ū
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	Ū
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	Ū
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	Ū
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ū
541-73-1	1,3-Dichlorobenzene	1	Ū

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-Dichloroben	zene		1	11
95-50-1	1,2-Dichlorobenzene				11
96-12-8		1,2-Dibromo-3-chloropropane			11
120-82-1	1,2,4-Trichlorob				
87-68-3	Hexachlorobuta			1 4	
87-61-6	1,2,3-Trichlorob			1	

CAS NO.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CAS	ROCH		Contract:	IT-Lath	nam	V	BLK01	
Lab Code: 1014	15	Case No.: R8-	46549 SAS No			3 No.:	MRFA I	—— NF
Matrix: (soil/water)	WATE	R	Lab	Sample				
Sample wt/vol:	25.0	(g/ml) ML		File ID:		/2444.[
Level: (low/med)	LOW		Dat	e Recei				
% Moisture: not de	с		Date	e Anaiya	zed: 10)/22/08		
GC Column: DB-	VRX ID:	<u>0.18</u> (mm)	Dilu	tion Fac	tor: 1.0	0		
Soil Extract Volume): 	(uL)	Soil	Aliquot	Volume	:		(uL)
			CONCENTRATI	ON UNI	TS:			
Number TICs found	:0		(ug/L or ug/Kg)	UG/	L	_		
CAS NO.	COMP	POUND NAME		RT	EST. (CONC.	Q	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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

EPA SAMPLE NO.

VBLK02

Lab Name:	CAS R	ОСН		Contract:	IT-Latham	VBLRU2
Lab Code:	10145		Case No.: R8-46549	SAS No	.: S	DG No.: MRFA INF
Matrix: (soil/v	vater)	WATE	R	Lab	Sample ID:	1158596 1.0
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab	File ID:	W2466.D
Level: (low/m	ned)	LOW		Dat	e Received:	
% Moisture: r	not dec.		•	Dat	e Analyzed:	10/23/08
GC Column:	DB-VF	RX ID:	<u>0.18</u> (mm)	Dilu	tion Factor:	1.0
Soil Extract V	olume:		(uL)	Soil	Aliquot Volui	me: (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	Ū
75-15-0	Carbon Disulfide	1	Ū
75-09-2	Methylene Chloride	1	Ü
156-60-5	trans-1,2-Dichloroethene	1	Ū
75-34-3	1,1-Dichloroethane	1	Ū
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	Ū
107-06-2	1,2-Dichloroethane	1	Ū
71-55-6	1,1,1-Trichloroethane	1	Ū
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	Ū
79-01-6	Trichloroethene	1	Ü
78-87-5	1,2-Dichloropropane	1	Ü
75-27-4	Bromodichloromethane	1	Ü
10061-01-5	cis-1,3-Dichloropropene	1	Ū
108-10-1	4-Methyl-2-Pentanone	5	Ü
108-88-3	Toluene	1	Ū
10061-02-6	trans-1,3-Dichloropropene	1	Ū
79-00-5	1,1,2-Trichloroethane	1	Ü
127-18-4	Tetrachloroethene	1	Ü
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	Ŭ
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO
-----	-------	------

						0.1221	1 .		
Lab Name:	CAS RC	СН			Contract:	IT-Latham	'	/BLK02	
Lab Code:	10145	Ca	se No.:	R8-46549	SAS No	.: S	DG No.:	MRFA	
Matrix: (soil/v	vater)	WATER	_		- Lat	Sample ID:			
Sample wt/vo	ol:	25.0	(g/ml)	ML		File ID:	W2466.		
Level: (low/n	ned)	LOW	_		Dat	e Received:			
% Moisture: r	not dec.				Dat	e Analyzed:	10/23/08	3	
GC Column:	DB-VR	X ID: <u>0.1</u>	8 (m	ım)	Dilu	tion Factor:	1.0		
Soil Extract V	olume: _		_ (uL)		Soil	Aliquot Volu	me:		(uL)
				CON	CENTRATI	ON UNITS:			
CAS NO	•	COMPO	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	-7	1.4-Dic	chlorobe	enzene				1	_
95-50-1			chlorobe					U	
96-12-8	}			-chloropro	nane		1	U	\dashv
120-82-	-1			benzene			1	U	\dashv

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO
-----	------	-------

Lab Name:	CAS RO	OCH			Contract:	IT-Lath	am		BLKO	2
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SD	G No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	<u> </u>		Lat	Sample	= ID: 1	158596	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	: V	V2466.[D	
Level: (low/m	ned)	LOW	***		Dat	e Recei	ved:			
% Moisture: r	not dec.				Dat	e Analy:	zed: 1	0/23/08	}	_
GC Column:	DB-VF	X ID:	0.18 (m	nm)	Dilu	ition Fac	tor: 1	.0		_
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volume	e:		(uL)
				CON	ICENTRAT	ION UN	TS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	<u>/L</u>			
CAS NO.		COMPO	DUND NAM	ИE		RT	EST.	CONC	,	Q

4A **VOLATILE METHOD BLANK SUMMARY**

EPA SAMPLE NO.

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

N

Date Analyzed: 10/30/08

Time Analyzed: 19:14

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

Heated Purge: (Y/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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO.
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Lab Name:	CAS ROCH			IT-Latham	V	BLK03
Lab Code:	10145	Case No.: R8-46549	-			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 Received:

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:

CACNO		· · · · · ·	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	Trichlorofluorom	ethane		'	U
75-35-4	1,1-Dichloroethe			1	U
67-64-1	Acetone			5	U
75-15-0	Carbon Disulfide			1	U
75-09-2	Methylene Chlori			<u> </u>	U
156-60-5	trans-1,2-Dichlor			1	U
75-34-3	1,1-Dichloroetha			1	U
156-59-2	cis-1,2-Dichloroe			1	U
78-93-3	2-Butanone			5	U
74-97-5	Bromochlorometh	nane		1	
67-66-3	Chloroform			 	U
107-06-2	1,2-Dichloroethar	ne		1	U
71-55-6	1,1,1-Trichloroeth			1	U
56-23-5	Carbon Tetrachlo				
71-43-2	Benzene	ngo .		1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropropa	ne		1	U
75-27-4	Bromodichlorome	thane		1	U
10061-01-5	cis-1,3-Dichloropr	onene		1	
108-10-1	4-Methyl-2-Pentar			5	U
108-88-3	Toluene	10110		1	U
10061-02-6	trans-1,3-Dichloro	propene			U
79-00-5	1,1,2-Trichloroeth		1		
127-18-4	Tetrachloroethene				U
591-78-6	2-Hexanone		5		U
124-48-1	Dibromochloromet	hane	1		U
106-93-4	1,2-Dibromoethan		<u> </u>		U
108-90-7	Chlorobenzene	<u> </u>	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-Tetrachloro	nethano.	1		U
75-25-2	Bromoform	remaile	1	$-\downarrow$	U
541-73-1	1,3-Dichlorobenzer	20	1		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Contract: IT-Latham
9 SAS No.: SDG No.: MRFA INF
Lab Sample ID: 1158777 1.0
Lab File ID: W2678.D
Date Received:
Date Analyzed: 10/30/08
Dilution Factor: 1.0
Soil Aliquot Volume: (uL

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1	U
95-50-1		1,2-Dichlorobenzene		1	U
96-12-8	1,2-Dibromo-3-0	chloropropane		1	Ü
120-82-1	1,2,4-Trichlorob			1	U
87-68-3	Hexachlorobuta			1	II
87-61-6	1,2,3-Trichlorob	enzene		1	- U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS R	OCH			Contract:	IT-Lat	ham		BLK0	5
Lab Code:	10145		Case No.:	R8-46549	SAS No	.:	SD	G No.:	MRFA	INF
Matrix: (soil/v	vater)	WATER	<u> </u>		Lal	Sampl	le ID: 1	158777	7 1.0	
Sample wt/vo	oł:	25.0	(g/mi)	ML	Lat	File ID	: V	V2678.[)	
Level: (low/n	ned)	LOW			Dat	te Recei	ived:			_
% Moisture: r	not dec.				Dat	e Analy	zed: 1	0/30/08	}	_
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	ım)	Dilu	ition Fa	ctor: 1.	.0	-	-
Soil Extract V	olume:		(uL)		Soi	Aliquot	Volume	ə:		_ _ (uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	i/L			
CAS NO.		COMP	NAN DNUC	/E		RT	EST.	CONC		Q

Colu	mhia	Anai	lvtical	Se	rvices
$\cup v \iota u$	muu	Allu	veecue	DU	

METALS

-3-

BLANKS

Contract:	R284654	9			
Lab Code:		Case No.:	SAS No.:		SDG NO.: MRFA INFLUENT
Preparation	n Blank	Matrix (soil/water):	WATER		
Preparatio	n Blank	Concentration Units	(ug/L or mg/kg):	UG/L	

Analyte	Initial Calib. Blank (ug/L)	c	1	Con	tinuing Blank 2		ation	С	Preparation Blank	С	м
Chromium	-0.3	2 B	-0.2	4 B	0.:	רז ד	-0.1	.8 B	0.17	ט	P

Comments:

Columbia Analytical S	Services
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METALS

-3-

BLANKS

Contract:	R284654	9		<u></u>						
Lab Code:		Case No.:	SAS 1	No.:	sd	G NO.:	MRFA	INFLUENT		
Preparatio	n Blank	Matrix (soil/water):	WATER		<u> </u>					
Preparatio	n Blank	Concentration Units	(ug/L or mg/	kg): UG	·/L	.,				
									-	

	Initial Calib. Blank		Continuing Calibration Blank (ug/L)					Preparation Blank	1		
Analyte	(ug/L)	L) C	1	C	2	C	3	С		C	M
Chromium	1		0.:	17 0							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

Lab Name:	CAS ROCH	-	Cor	ntract: IT-Latha	ım	
Lab Code:	10145	Case No.: R	8-46549 S	AS No.:	SDG N	No.: MRFA INF
Lab File ID:	W1766.D			BFB Injection	n Date:	9/17/08
Instrument ID): GCMS #6			BFB Injection	n Time:	15:09
GC Column:	DB-VRX	D: 0.18 (m	m)	Heated Purg	e: (Y/N)	N

		% RELATIVE			
m/e	ION ABUNDANCE CRITERIA	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

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

 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

		% RELATIVE				
m/e	ION ABUNDANCE CRITERIA	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

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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 INFLUENTMS	Þ 1158564 2.5	W2460.D	10/23/08	1:45

Lab Name: (CAS ROCH			Contract:	IT-Latham	
Lab Code: 1	10145	Case No.:	R8-46549	SAS No	.:SDG	No.: MRFA INF
Lab File ID:	W2461.D			BFI	B Injection Date:	10/23/08
Instrument ID:	GCMS #6			BFI	3 Injection Time:	2:21
GC Column: [OB-VRX II	D: <u>0.18</u>	(mm)	Hea	ated Purge: (Y/N)	N

	TON ARINDANGS ORITOR	% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

Lab Name:	CAS ROCH			Contract:	IT-Latham	
Lab Code:	10145	Case No.:	R8-46549	SAS No	.: SDG 1	No.: MRFA INF
Lab File ID:	W2674.D			BFI	3 Injection Date:	10/30/08
Instrument ID	: GCMS #6			BF	3 Injection Time:	16:31
GC Column:	DB-VRX II	D: <u>0.18</u>	(mm)	Hea	ated Purge: (Y/N)	N

			% RELATIVE
m/e	ION ABUNDANCE CRITERIA		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	

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

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): 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)

					·	,	
		IS1 AREA #	RT #	IS2 AREA #	DT #	IS3	
	10 HOUR OFF					AREA #	RT #
	12 HOUR STD		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.						1
01	VBLK01	591431	5.73	482542	8.74	217006	10.80
02	LCS01	590378	5.73	505767	8.74	253508	10.81
03	MRFA EFFLUEN	0.1.00	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		5.73	482138	8.74	237531	10.81
16	MRFA INFLUENT	1SÞ 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

page 1 of 1

[#] 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) Ν

					`	·	
		IS1 AREA #	RT #	IS2 AREA #	DT #	IS3	
	12 HOUR STD	630321				AREA #	RT #
	UPPER LIMIT		5.73	520348	8.74	256561	10.81
		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) Ν

		-			· (· · · · · · · · · · · · · · · · · ·	
	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 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.						
LCS03	603556	5.73	498853	8.73	243550	10.81
VBLK03	571889	5.73	481392	8.74	230986	10.81
SW-D	573490	5.73	479917	8.74	228398	10.80
SW-E	566175	5.73	474354	8.74	223016	10.80
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

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(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	0.72	0.00	0.65
8/5/2008	Total	1,030	0	0.72	0.00	0.72
8/6/2008	Total	980	0	0.72	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
0/ 13/2000	TUlai	310	U	0.03	0.00	0.03

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(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

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(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

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(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 To	otal	167,460	0	0.632	0.000	0.632

APPENDIX E TELEPHONE INTERVIEW LOGS

Annual Telephone Interview Log Remedial Work Element IV - Institutional Controls Maita Rocket Fuel Area Site

(518) 899 - 47/ Malta and Stillwater, New York

Phone : (5/8) 899 - 2552.

Property Owner Interviewed: Kenn King, Comptroller	Town of Malta, New York State
Date of Interview: 12/23/08	Agency/Property Owner Representative: Kevin King, Comp trolles
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 Remediat Work Element II, Maita Test Station Drinking Water System.	The pending proposed AMD tab Ax may utilize a Portion of the ERZ. Further information and clarification will occur as subdivirion 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 LFTC PDD legislation was modified to reflect that pending proposed use of aproximately 2000 acres, part of which may be within the Elez.
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Know the some exist but additional into world 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:

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. Agency/Property Owner Representative: Jon Dawes			
Date of Interview: 1/8/09				
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			
nterview completed by: Bhay Neumann	Interviewer Signature/Date: 18000000000000000000000000000000000000			

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 Date of Interview: January 20, 2009	New York State Energy Research and Development Authority			
Interview Questions:	Agency/Property Owner Representative: 2008 Mitchell Khosrova Representative Response:			
interview adestrons.	nepresentative nesponse:			
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 A ah			
Interview completed by: Marc E. Flanagan	Interviewer Signature/Date: //aw C/St 1/21/09			