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FINAL SEMI-ANNUAL O&M REPORT
REMEDIAL WORK ELEMENTS I, II AND IV
REPORTING PERIOD DECEMBER 30, 2006 THROUGH JUNE 29, 2007

Malta Rocket Fuel Area Site
Malta, New York

August 6, 2007

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 December 30, 2006 through June 29, 2007.

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

According to the provisions of the *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002*, six regularly scheduled monthly site visits were performed to inspect the groundwater treatment system (system) operation, record system operating conditions, and to determine system treatment effectiveness. The site visits took place on January 19, February 26, March 28, April 19, May 14, and June 14, 2007.

The groundwater treatment system is comprised of a packed tower air stripper. System influent and effluent samples were collected during the February 26 and May 14, 2007 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 0.409 and 1.732 gallons per minute (gpm), respectively, yielding an average daily combined flow of approximately 2.141 gpm. As a result of the limited use of the test station, these flows are less than those historically recorded.

Review of the analytical results for influent and effluent treatment system samples collected in February and May 2007 confirm that during the reporting period, the system effluent water quality was below 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 is not in need of 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 that were not activated on site during system O&M activities 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 are not known to cause significant disruption to the performance 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 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 was 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.

The system was found to be in good working order during the reporting period.

2.2.1 Recovery Well Pump Inspection

Recovery well pumps were inspected during the May 14, 2007 site visit. Shaw personnel utilized confined space entry procedures to enter well vaults RW-1D and RW-2D and disconnect water supply piping. All system piping and electrical power supplies were locked and tagged out during maintenance and inspection activities. The pumps and associated down well pipe from each well casing were removed by hand. Pumps and discharge piping were inspected for corrosion, loose or damaged parts and other signs of wear or damage that would indicate a potential for pump failure.

The pump in RW-1D was encased in a four-inch polyvinyl chloride (PVC) section of slotted well screen. After removal of this protective screen, the pump was inspected and determined to be free of defects. A light coating of mineral scale had accumulated on the pump motor, likely the result of moderate heating during pump operation. There was no accumulation of material

surrounding the actual pump intake screen. The pump was subsequently wiped down, the protective casing re-installed, and the pump re-positioned in the well without modification to the piping. Following installation, the pump was restarted and the piping was inspected for leaks in the well vault. Leaks within the vault were not observed.

The recovery pump in RW-2D was also removed and inspected in the same manner as the RW-1D pump. This pump does not have a protective casing installed on the pump body. A light accumulation of biological growth was observed on the pump intake. Water and a cloth were used to wipe the growth off the intake. No other problems were observed with the pump and it was subsequently re-installed without incident. Following re-installation, the pump was restarted and associated piping was inspected for leaks in the well vault. Leaks within the vault were not observed.

2.2.2 100,000 Gallon Reservoir Inspection

The annual inspection of the 100,000 gallon reservoir was performed on May 14, 2007. On May 13, 2007 Shaw visited the site and observed the reservoir level at 7 feet, well below the usual full operating capacity of approximately 12.5 feet. That afternoon Shaw accessed the system remote telemetry unit to download recent pumping rate data. On May 1, 2007 the two recovery well flow rates increased approximately three-fold. The pumps were operating properly by trying to keep the reservoir full. On May 14, 2007 the reservoir level was 6 feet. During the following weeks the property owner determined a leak was occurring between the post-treated groundwater holding tank and the reservoir, thus not allowing for the full recharge of the reservoir, the repair was made by the owners.

The visual inspection of the reservoir did not reveal any problems. A hand held spotlight was used to assist personnel in the inspection of the interior reservoir walls. There were no signs of cracks in the concrete or any type of buildup or growth from biological activity. The standpipe was observed to be in good condition. All confined space entry procedures, including air monitoring and the use of retrieval equipment, were followed for the duration of the inspection.

2.2.3 Air Stripper Tower Inspection

Shaw accessed the top section of the air stripper tower in June 2007. The protective cover was removed to allow access to the tower demister and spray nozzle. The demister pad was in good condition with no buildup of any material or precipitate. The spray nozzle was in good condition and did not require cleaning beyond a wipe down. The air stripper tower packing was inspected

at the top of the column and determined to be in good condition. No evidence of precipitate accumulation or clogging was observed.

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 December 30, 2006 to June 29, 2007 are as follows:

Well RW-1D: 0.4062 gpm
Well RW-2D: 2.0505 gpm
System Avg: 2.4567 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 2.141 gpm for the reporting period. The average water flow rate calculated from field observations (2.4567) is statistically the same to the average daily water flow rate calculated from the data logger (2.141), 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 limited use of the test station water supply by the current property owner and in part to the fact that New York State Energy Research and Development Authority (NYSERDA) was disconnected from the test station water supply and connected to Saratoga Water Services in November 2005.

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 3.60 inches of water column during the current period. The pressure readings were well 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 February 26 and May 14, 2007 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 February 26 and May 14, 2007 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 for carbon tetrachloride was not detected above laboratory method detection limits during the February and May sampling events . TCE was detected at an estimated concentration of 0.3µg/l within the effluent sample collected during the February monitoring event and was not detected above laboratory method detection limits during the May event. The results for the February event qualified as estimated value by the laboratory because the observed concentration was less than the method reporting limit. The influent concentrations for TCE and carbon tetrachloride observed during this reporting period were similar to the influent concentrations for these compounds observed during the previous reporting period. The drinking water system influent and effluent sample results for TCE and carbon tetrachloride are summarized in the table below.

Analyte	Date Sampled	Influent (µg/l)	Effluent (µg/l)	Performance Standard (µg/l)
Carbon Tetrachloride	February 26, 2007	24	ND	5
	May 14, 2007	14	ND	5
TCE	February 26, 2007	34	0.3 J	5
	May 14, 2007	24	ND	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 concentrations of 3.0 µg/l in the February 26, 2007 and 1.7 µg/l in the May 14, 2007 air stripper influent samples. Chloroform was not detected in the air stripper effluent samples collected on February 26, 2007 and May 14, 2007. 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	February 26, 2007	3.0	ND	70
	May 14, 2007	1.7	ND	70

Note: ND = not detected

Based upon analytical data collected during this reporting period, the drinking water system's removal efficiency was greater than 98 percent for all volatile organic analytes.

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

3.1 Sample Collection

Modifications to the Early Warning Monitoring System (EWMS) monitoring program have been specified in *Addendum No. 1, Operations and Maintenance Manual, Remedial Work Element II-Groundwater, Malta Rocket Fuel Area Site, General Electric Company, January 31, 2005* (Addendum No. 1). In accordance with the *Operations and Maintenance Manual for Remedial Work Element II - Ground Water, ERM Northeast, Inc., January 22, 1998,* (O&M-GW) and Addendum No. 1, unfiltered groundwater samples were collected on May 14 and 15, 2007 from the EWMS. In accordance with the *Five-Year Review Report, Malta Rocket Fuel Area Superfund site, United States Environmental Protection Agency (EPA), September 24, 2004* (Five Year Review Report) including a table titled *"Proposed Modifications to Groundwater and Surface Water Sampling Regimes at the Malta Rocket Fuel Area Site"* and a letter from GE to the USEPA dated October 26, 2004, EWMS samples were collected from monitoring wells DGC-3S, DGC-4S, 4D, 11D, 13D, 14D, M-24D, M-25D, M-27D, M-29D, M-33S, and M-33I (**Figure 1**). Blind duplicate samples were collected from well 13D for chromium and hexavalent chromium and from well 29D for volatile organic compounds. Trip blanks were also analyzed.

Samples from all designated monitoring well sampling locations were analyzed for volatile organic compounds (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 May 2007 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 at well 13D indicates a concentration of 25.3 µg/l that is below the New York State Ground Water Standard (NYSGWS) of 50 µg/l. Total chromium was not detected above laboratory method detection limits in well 27D.

Analytical results showed no detectable concentrations of hexavalent chromium at the method detection limit of 10 µg/l for both groundwater samples. The NYSGWS for hexavalent chromium is 50 µg/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 9.6 µg/l, 60 µg/l (result from dilution), 14 µg/l, 32 µg/l (result from dilution) and 12 µg/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 wells M-24D, M-25D, M-27D M-29D and 11D at concentrations of 0.38J, 6.8 µg/l (result from dilution), 1.5 µg/l, 3.0 µg/l (result from dilution) and 2.6 µg/l, respectively. Chloroform was not detected in any of the other samples collected during this reporting period.

TCE was detected in monitoring wells in M-25D, M-27D M-29D and 11D at concentrations of 31 µg/l (result from dilution), 15 µg/l, 11 µg/l (result from dilution) and 1.2 µg/l respectively. Trichlorofluoromethane was also detected in monitoring well M-27D at an estimated concentration of 0.95 µg/l. TCE and trichlorofluoromethane were not detected at the remainder of the monitoring well locations during this reporting period.

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.

4.0 INSTITUTIONAL CONTROLS

O&M activities for remedial Work Element IV, Institutional Controls, are conducted on an annual basis. Shaw conducts semi-annual visual inspections of the environmental restriction zone during the semi-annual groundwater sampling activities and annual environmental easement restriction interviews with property owner representatives during the October semi-annual reporting period. With the exception of the visual inspections of the environmental restriction zone, no institutional control activities were conducted during this reporting period. These activities will be conducted and reported during the next reporting period.

5.0 SUMMARY

5.1 Drinking Water

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

5.2 Early Warning Monitoring System (EWMS)

Based on the review of the analytical results from water samples collected during this reporting period, groundwater from the MRFA Site is not migrating toward the Luther Forest well field (located south of the Site) or the water supply wells located to the north of the Site. The analytical results from this reporting period are summarized as follows:

- Total chromium was detected at monitoring wells 13D and M-27D. Chromium detections collected from these two monitoring wells were below the NYSGWS of 50 µg/l.
- Hexavalent chromium was not detected at the any of the monitoring well locations.
- Carbon tetrachloride was detected in monitoring wells M-24D, M-25D, M-27D M-29D and M-11D at concentrations of 9.6 µg/l, 60 µg/l (result from dilution), 14 µg/l, 32 µg/l (result from dilution) and 12 µg/l, respectively. The NYSGWS for carbon tetrachloride is 5 µg/l. All other water sample locations were non-detect for carbon tetrachloride during the reporting period.
- Chloroform was detected at wells M-24D, M-25D, M-27D M-29D and M-11D at concentrations of 0.38J µg/l, 6.8 µg/l (result from dilution), 1.5 µg/l, 3.0 µg/l (result from dilution) and 2.6 µg/l, respectively. The NYSGWS for chloroform is 7 µg/l.
- TCE was detected at wells M-25D, M-27D M-29D and M-11D at concentrations of 31 µg/l (result from dilution), 15 µg/l, 11 µg/l (result from dilution) and 1.2 µg/l respectively. Trichlorofluoromethane was detected at well M-27D with an estimated concentration of 0.95 µg/l. The NYSGWS for both TCE and trichlorofluoromethane is 5 µg/l.
- As shown in **Figures 3, 4** and **5**, simulated concentrations of carbon tetrachloride and TCE are much higher than the observed concentrations.

TABLES

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

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

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

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

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

Date	Operator	Operational Status of System	Work Performed
1/19/07	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
2/1/07	Marc Flanagan	Arrival - Not OK Departure – Not OK	Alarm response, low pressure, low blower amps.
2//07	Robert Hyde & Robert Adams	Arrival - Not OK Departure – OK	Replace motor and fuses for AS blower.
2/26/07	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit and system performance samples collected. System interlock testing performed – all OK.
3/28/07	Marc Flanagan & Robert Hyde	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
4/19/07	Marc Flanagan & Robert Adams	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
5/14/07	Marc Flanagan	Arrival - Not OK Departure – OK	RW-1 down, changed fuses, monthly O&M visit with performance sampling. System interlock testing performed, – all OK upon departure.
6/14/07	Marc Flanagan	Arrival - Not OK Departure – OK	RW-1 down, changed 3 fuses, monthly O&M visit. System interlock testing performed, – all OK upon departure.

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

1	2	3					4					5
DATE	TIME	WATER FLOW --LINE 1D					WATER FLOW --LINE 2D					PROBLEMS OR COMMENTS
		1D LINE FLOW METER RDG(GPM)	1D LINE TOTALIZER RDG(GAL)	ELAPSED TIME (DAYS)	TOTAL FLOW THIS PERIOD (GAL)	AVG FLOW THIS PERIOD (GPM)	2D LINE FLOW METER RDG(GPM)	2D LINE TOTALIZER RDG(GAL)	ELAPSED TIME (DAYS)	TOTAL FLOW THIS PERIOD (GAL)	AVG FLOW THIS PERIOD (GPM)	
12/29/2006	9:15	4.0	4,597,100	44	NA	NA	7.0	5,888,400	44	NA	NA	Recorded in previous report, replicated here for calculation purposes.
1/19/2007	11:40	4.6	4,609,000	21	11,900	0.39	7.4	5,907,000	21	18,600	0.62	
2/26/2007	10:30	2.3	4,623,600	38	14,600	0.27	8.0	5,967,500	38	60,500	1.11	
3/28/2007	9:00	2.4	4,636,100	30	12,500	0.29	7.2	6,014,200	30	46,700	1.08	
4/19/2007	11:30	3.2	4,646,100	22	10,000	0.32	7.8	6,047,100	22	32,900	1.04	
5/14/2007	9:30	2.2	4,675,100	25	29,000	0.81	7.0	6,204,700	25	157,600	4.38	
6/14/2007	12:30	0.0	4,682,500	31	7,400	0.17	7.0	6,319,500	31	114,800	2.57	RW-1 down
Summary				146	85,400	0.4062			146	431,100	2.0505	

NR = Not Recorded
NA = Not Applicable

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

1	2	3			4	5
DATE	TIME	STANDPIPE LEVEL (FT)	LEVEL PROBE OK ?	SAMPLES TAKEN ?	AIR BLOWER PRESSURE OK?	PROBLEMS OR COMMENTS
1/19/2007	11:40	12 - 13	Hard to see	No	Yes-2.80	Monthly O&M visit.
2/1/2007	15:10	12 - 13	Hard to see	No	No	Low pressure alarm, low blower amps.
2/8/2007	9:00	12 - 13	Yes	No	No	Motor replacement and fuse replacement.
2/26/2007	10:30	12 - 13	Yes	Yes	Yes-3.60	Monthly O&M visit and system sample collection.
3/28/2007	9:00	12 - 13	Yes	No	Yes-3.20	Monthly O&M visit.
4/19/2007	11:30	12 - 13	Yes	No	Yes-3.20	Monthly O&M visit.
5/14/2007	9:30	~7	Yes	Yes	Yes-3.20	Monthly O&M visit and system sample collection. Change fuses in RW-1
6/14/2007	12:30	12 - 13	Yes	No	Yes-3.00	Monthly O&M visit. Changed 3 fuses in RW-1 now flow.

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^{o}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^{o}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
MAY 2007 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	M-27D	M-27D (MS/MSD)	M-24D	MW-11D	M-29D (DL)	DUP C (DL) (29D)	4D	14D	DGC-3S	DGC-4S	M-33I	M-33S
Acetone	50	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon Disulfide	None*	1 U	1 U	1 U	1U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	14	20	9.6	12	32	33	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1.5	6	0.38 J	2.6	3	3	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	5	15	20	1 U	1.2	11	12	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5*	0.95 J	6	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	50*	1.92 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters													
pH	--	6.84	--	7.39	6.65	7.25	--	6.93	6.68	7.20	6.84	6.99	7.22
Temperature (celsius)	--	6.89	--	7.01	7.21	7.7	--	6.68	6.58	8.91	7.69	7.52	6.74
Conductivity (umhos/cm)	--	356	--	317	460	438	--	299	354	65	282	339	149
Dissolved Oxygen (ug/L)	--	9.81	--	11.91	10.05	7.34	--	12.55	13.62	14.99	7.08	6.99	7.69
Turbidity (NTUs)	--	0	--	0	0.00	0	--	75.00	0.00	0.00	110.00	0.00	0
Depth To Water (feet)	--	35.47	--	29.74	26.88	42.92	--	36.31	40.11	9.18	4.69	28.40	10.68
Ground Water Elevation (feet)	--	268.80	--	290.83	300.67	291.74	--	291.24	301.26	196.62	201.11	275.29	293.59

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb)).
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).

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

7. DL - Indentifies all compounds analyzed at a secondary dilution factor.
8. NM - Not measured due to equipment malfunction.
9. MS/MSD - Matrix spike/matrix spike duplicate.

TABLE 5
MAY 2007 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	M-25D (DL)	M-13D	DUP B (13D)	Trip Blank
Acetone	50	13 UJ	NA	NA	2.3 J
Carbon Disulfide	None*	2.5 U	NA	NA	1 U
Carbon Tetrachloride	5	60	NA	NA	1 U
Chloroform	7	6.8	NA	NA	1 U
2-Butanone	5	13 UJ	NA	NA	5 UJ
Trichloroethene	5	31	NA	NA	1 U
Trichlorofluoromethane	50*	2.5 U	NA	NA	1 U
Chromium	50*	NA	25.3	26.3	NA
Hexavalent Chromium	50*	NA	10 U	10 U	NA
Field Parameters					
pH	--	6.91	6.87	--	--
Temperature (celsius)	--	6.89	7.84	--	--
Conductivity (umhos/cm)	--	466	352	--	--
Dissolved Oxygen	--	2.87	0	--	--
Turbidity (NTUs)	--	0	29.7	--	--
Depth To Water (feet)	--	27.42	13.31	--	--
Ground Water Elevation (feet)	--	287.04	293.57	--	--

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb)).
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).

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

7. DL - Indentifies all compounds analyzed at a secondary dilution factor.
8. NM - Not measured due to equipment malfunction.
9. MS/MSD - Matrix spike/matrix spike duplicate.

TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - MAY 2007
SEMI-ANNUAL SAMPLING

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

Notes:

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

TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - MAY 2007
SEMI-ANNUAL SAMPLING

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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not sampled.

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

dp = Duplicate sample.

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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

** = Filtered Sample.

See RI report for additional data.

TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - MAY 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	11/18-11/19/1992	3/17-3/18/1993	5/25-5/26/1993	8/24-8/25/1993	11/8-11/9/1993	2/22-2/23/1994	5/18-5/19/1994	8/24-8/25/1994	11/15-11/16/1994	5/23/1995	10/17/1995
DGC-3S												
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND V	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	0.8	ND	ND	ND V	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	33.6/ND*	18.5	4.3 B	4.7B	19.4	23.9	4.5 B	9.9 B	11.1	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None*	4 V	ND	0.3 J	0.2J	ND	ND	ND V/ND V dp	ND	ND	ND	ND
Chromium	50*	8.6 B	48.1/ND*	ND	3.3B	ND	31.2/ND*	ND/ND dp	5.6 B	ND	NA	NA
13S												
Benzene	0.7*	0.4 JV	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	NA	NA
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	NA	NA
Carbon Tetrachloride	5	16 V	15	10	17	18	20/9 dp	9	9	9	NA	NA
Chloroform	7	0.6 V	0.6	0.4 J	0.6	0.7	ND/ND dp	0.4 J	0.3 J	ND	NA	NA
Trichloroethene	5	1 V	2	0.6	ND	2	2/1 dp	0.8	1	0.9	NA	NA
Trichlorofluoromethane	5*	0.9 V	2	0.5	ND	2	2/1 dp	0.9	1	ND	NA	NA
Chromium	50*	585/576**	746/614**	198/609**	787/716**	572/610**	580/357** 567/357** dp	406/434**	133 V/157 V**	44.2 V/95.8 V**	140 J	52.7 J
Hexavalent Chromium	50*	493	663	460	800	560	530/540 dp	340	101	36	150	48

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not sampled.

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dp = Duplicate sample.

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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** = Filtered Sample.

See RI report for additional data.

TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - MAY 2007
SEMI-ANNUAL SAMPLING

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

Notes:

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E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - MAY 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/23/2001	5/29/2002	10/29/2002	4/9/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	5/23/2006	10/16/2006	5/14/2007
DGC-3S													
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	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	NA
DGC-4S													
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S													
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Chromium	50*	43.3	13.4	34.8	52.2	49.4	20.1	NA	NS	NS	NS	NS	NS
Hexavalent Chromium	50*	43.6 J	18	3.59	45	51.5	11	11.2	NS	NS	NS	NS	NS

Notes:

Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
dp = Duplicate sample.
E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in December, 1990.
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TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - MAY 2007
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	6/5/1992	11/11/1992	3/14/1994	5/23/1995	10/17/1995	5/14/1996	10/23/1996	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999
Carbon Disulfide	None*	ND	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J
Chloromethane	5	40	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	8.4 B/ND**	57.4/ND**	not sampled	ND	ND	ND	ND	ND	ND	ND	3.2 BJ	0.98B
Hexavalent Chromium	50*	NA	NA	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-27D													
Carbon Tetrachloride	5	75/62 dp	23	not sampled	33/42 dp	56	31	28	26	22	27	26 / 27 dp	20.3 / 20.1 dp
Chloroform	7	ND	3	not sampled	4/4 dp	5	3	3	3	2	3	2 / 2 dp	1.8 / 1.8 dp
Chloromethane	5	4 J/28 dp	ND	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND	ND / ND dp
Trichloroethene	5											ND/ND dp	4.1/4.1 dp
Trichlorofluoromethane	5*	no data	no data	not sampled	no data	no data	no data	no data	no data	no data	no data	0.3 J / 0.3 J dp	0.92J / 0.99J dp
Chromium	50*	2.0 B/ND** 2.0 B/ND** dp	19.8/ND**	not sampled	ND/ND dp	ND	ND	ND	ND	1.2B	ND	4.6 BJ / 4.8 BJ dp	1.4 B / 1.3 B dp
Hexavalent Chromium	50*	NA	NA	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND dp	ND / ND dp
M-33S													
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-33I													
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

dp = Duplicate sample.

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

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

** = Filtered Sample.

TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - MAY 2007
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action 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	10/2005	5/23/2006	10/16/2006	5/14/2007
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	NA	NA	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	NA	NA	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	NA	NA	NA	NA
Hexavalent Chromium	50*	ND / ND dp	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND / ND dp	ND UJ	ND U / ND dp	ND	ND	NA	NA	NA	NA	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	13	22	12	15
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	ND	2	0.76J	2
Chloromethane	5	ND	ND / ND dp	ND / ND dp	ND	ND	ND	ND	ND ND dp	ND	ND ND dp	ND	ND	ND	ND	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	24	16	21	15
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	1.0	1 J	1.0	0.9J
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	1.6 B	2.7	1.7 BJ	ND
Hexavalent Chromium	50*	ND	ND/ND dp	ND/ND dp	ND	ND	ND	ND	ND / ND dp	ND	ND / ND dp	ND	ND	ND	ND	ND	ND
M-33S																	
VOCs	-	ND	ND	ND	8.0 J	ND	ND	ND	ND	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	ND	ND	ND	ND

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

dp = Duplicate sample.

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

D = Indentifies compound analyzed at a secondary dilution factor.

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** = Filtered Sample.

TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 - MAY 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	6/1-6/2/1992	11/18-11/19/1992	11/2004	5/24/2005	10/24/2005	5/23/2006	10/16/2006
4D								
Acetone	50	ND	ND R	ND	ND	ND	5J	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
11D								
Acetone	50	ND	ND R	ND	ND	ND	5J	ND
Carbon Tetrachloride	5	ND	6	4.6	13	14	15	12
Chloroform	7	ND	3	ND	4.0	3.0	4.0	3.0
Trichloroethene	5	9J	7	ND	0.8 J	0.9J	1 J	2.0
M-24D								
Acetone	50	ND	ND R	ND	ND	ND	5J	ND
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10	11	11
Chloroform	7	ND	ND	ND	0.6 J	0.5J	0.5 J	0.44 J
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
M-25D								
Acetone	50	ND	ND R	ND	ND	ND	49 J	25 JD
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91	76	71 D
Chloroform	7	ND	3R	8.7	8.0	9.0	8.0	7 D
Trichloroethene	5	3J	8R	16.1	35 D	37	28	22 D
M-29D								
Acetone	50	ND	ND R	ND	ND	ND	5 J	ND
Carbon Tetrachloride	5	79	84	10.8	38 D	37	39	33 D
Chloroform	7	ND	14	ND	4.0	5.0	5.0	4 D
Trichloroethene	5	19	24	6.0	14	13	14	12 D
13D								
Chromium	50*	98.4	38.9 J	4.5 B	78.3	60.8 J	11	17.1
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U	10 U	14.2

Notes:

Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
See Remedial Investigation report for additional c
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CR
dp = Duplicate sample.
E = Estimated concentration: due to interference.
R = Analysis rejected

D* = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in 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.

FIGURES

DRAWING NUMBER 810066D5

APPROVED BY

CHECKED BY

DRAWN BY S. SHKOLNIK 02/08/07

OFFICE ALBANY, NY

ROUTE 9P

COLD SPRINGS WELLS

COLD SPRINGS ROAD

CRAMER ROAD

SW-E

SW-F

SW-G

7

8

6a

6b

M-33S/33I

LUTHER FOREST
RESIDENTIAL
DEVELOPMENT

M-26S/26D

M-11S/11D

M-24S/24D

M-15

M-31S/31D

M-34

M-28S/28D

MW-4

4S/4D

M-18

M-30

M-1/14D

M-29S/29D

M-17

M-32

MW-3

2S

M-19

RW-1D

M-16

M-23

MW-2

M-35S/35I

M-25S/25D

3S/3D

10S/10D

13S/13D

RW-2D

PLAINS ROAD

M-22

M-21

M-20

1a

1b

SW-D

M-27S/27D

2b

2c

SW-B

SW-A

DGC-3S

DGC-4S

PW-4

PW-3

PW-2

PW-1

PW-6

KNAPP ROAD

N

LEGEND

- RECOVERY WELL
- SINGLE WELL LOCATION
- DGC-4S WELL PAIR LOCATION & ID#
- PW-2 PUMPING WELL LOCATION & ID#
- LUTHER FOREST WELL FIELD
- SW-D SURFACE WATER SAMPLE LOCATION & ID#
- 6b RAVINE LOCATION & ID#
- APPROXIMATE MRFA SITE BOUNDARY
- 250' GROUND SURFACE CONTOUR LINE
- ENVIRONMENTAL RESTRICTION BOUNDARY

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

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

APPROXIMATE SCALE
0 700 1400 2100 FEET

DRAWING NOT TO SCALE

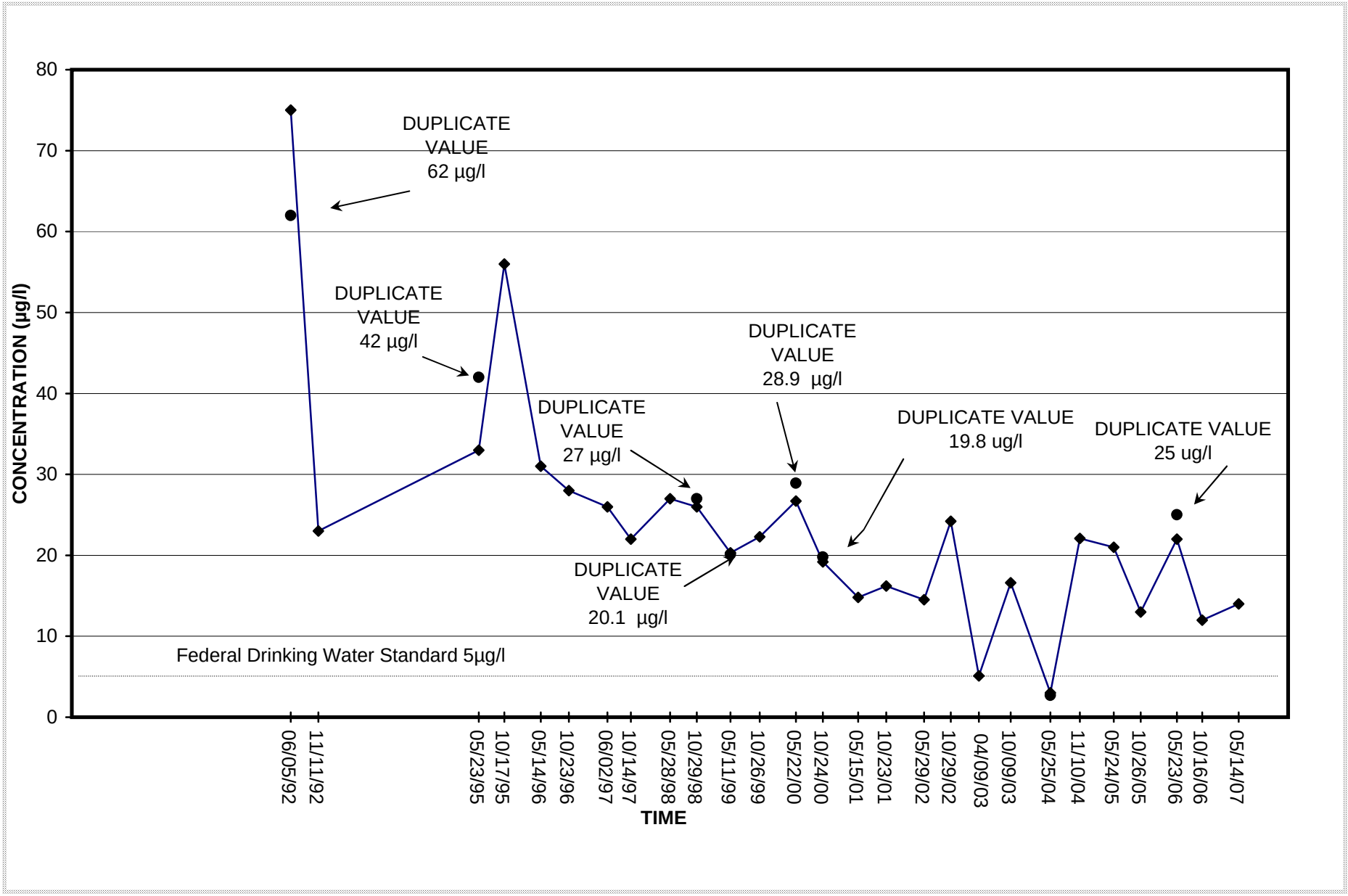
Shaw Environmental, Inc.

MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 1
SITE LOCATION MAP

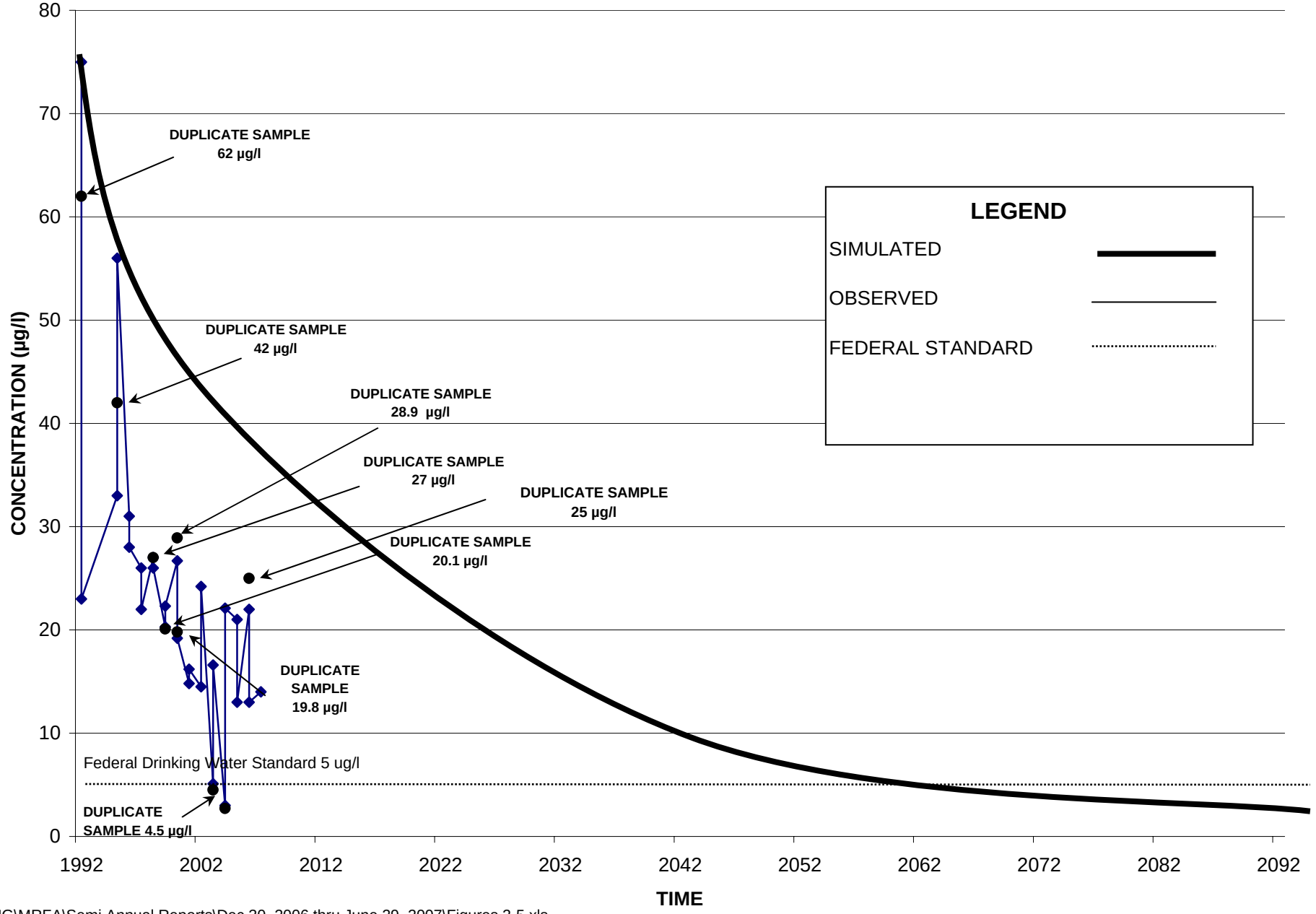
L:\project\MRFA\810066D5.dwg
Plot Date/Time: 02/08/07 02:11pm
Format Revised: 11/23/99
Image:
Xref:

FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS



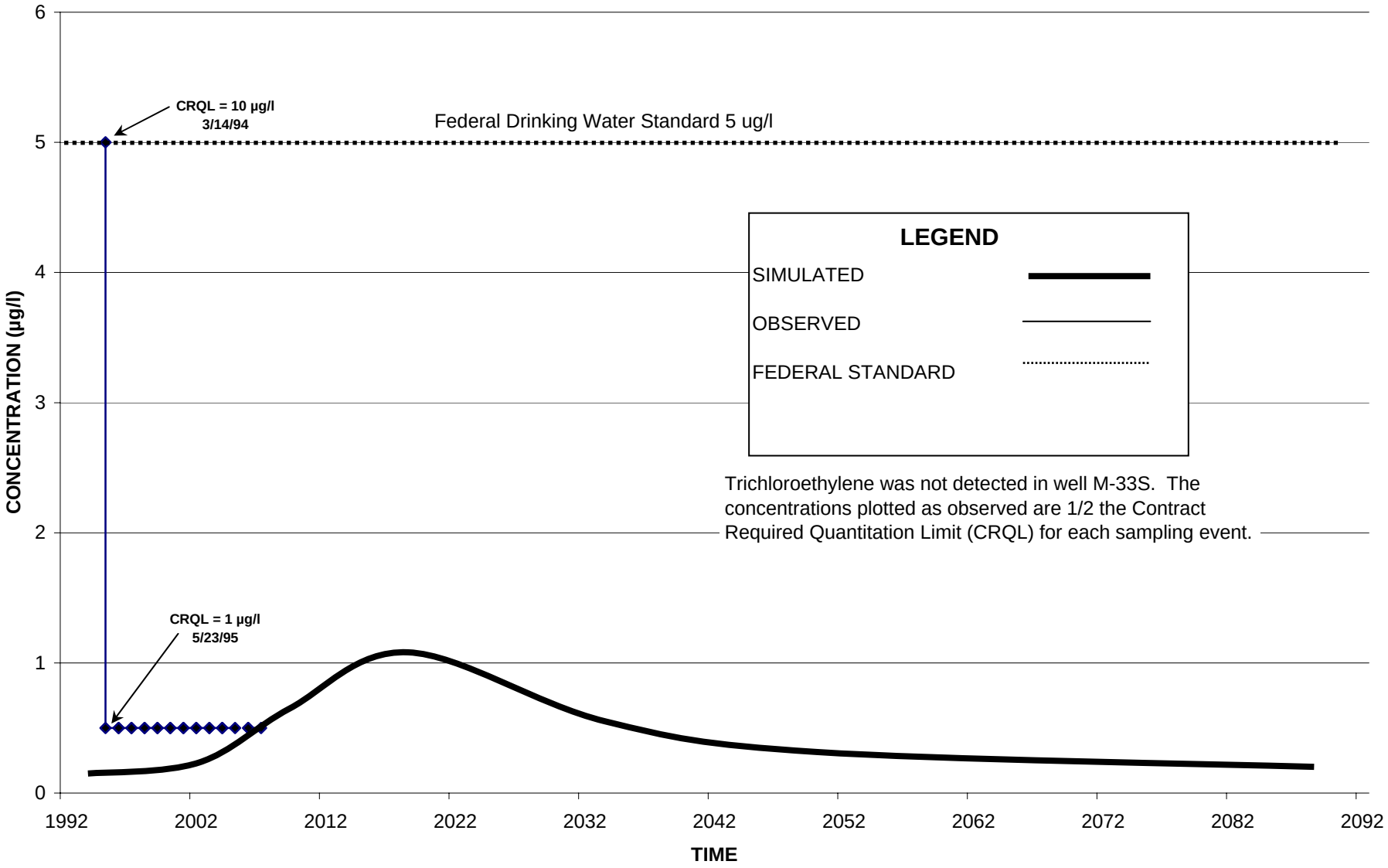
X:\MG\MRFA\Semi Annual Reports\Dec 30, 2006 thru June 29, 2007\Figures 2-5.xls

FIGURE 3
SIMULATED VERSUS OBSERVED (OCTOBER 2006)
CARBON TETRACHLORIDE CONCENTRATIONS
AT WELL M-27D



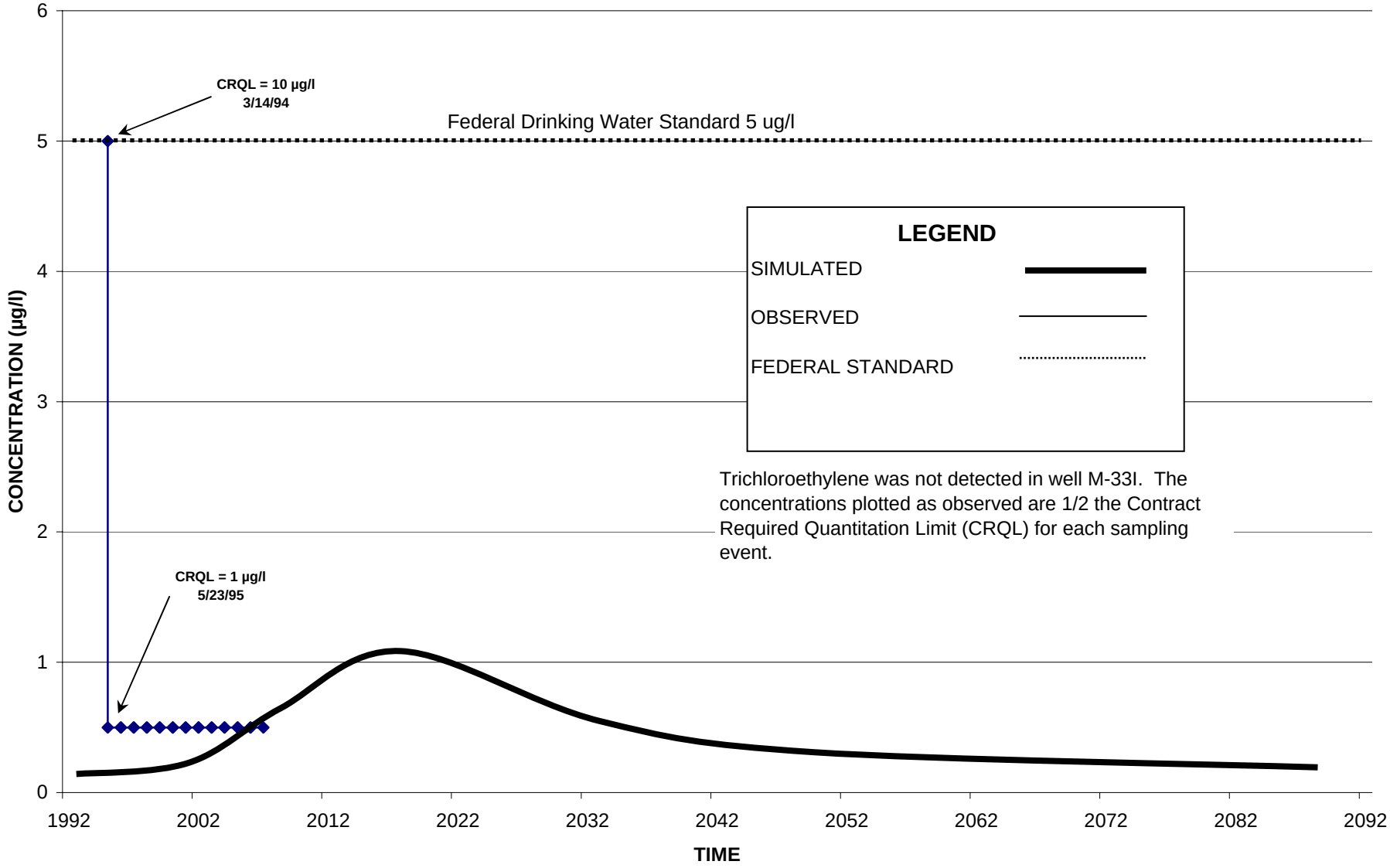
X:\MG\MRFA\Semi Annual Reports\Dec 30, 2006 thru June 29, 2007\Figures 2-5.xls

FIGURE 4
SIMULATED VERSUS OBSERVED (OCTOBER 2006)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33S



X:\MG\MRFA\Semi Annual Reports\Dec 30, 2006 thru June 29, 2007\Figures 2-5.xls

FIGURE 5
SIMULATED VERSUS OBSERVED (OCTOBER 2006)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33I



X:\MG\MRFA\Semi Annual Reports\Dec 30, 2006 thru June 29, 2007\Figures 2-5.xls

APPENDIX A

LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES

FEBRUARY 26, 2007

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 28, 2007

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

Re: GE MRFA Project #810066
Submission # R2736382

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of four samples were received by our laboratory on February 27, 2007.

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 and to Steve Meier. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Janice M. Jaeger
Project Chemist

enc.

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

cc: Mr. Steve Meier
GE Corporate Environmental Programs
319 Great Oaks Blvd.
Albany, NY 12203

Columbia Analytical Services, inc.

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# 810066
Lab Submission #	: R2736382
Project Manager	: Janice Jaeger
Reported	: 03/26/07

Report Contains a total of 40 pages

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

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2736382

Shaw samples were collected on 02/26/07 and received at CAS on 02/27/07 in good condition.

VOLATILE ORGANICS

Four water samples and one cooler blank were analyzed for OLC2.1 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 Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on MRFA Influent as requested. All MS/MSD and Reference spike recoveries were within limits. All RPD's were within limits.

Various compounds for MRFA Influent 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 recommended 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.

SDG #: MRFA INFLUENT	BATCH COMPLETE: __yes_____	DATE REVISED:
SUBMISSION R2736382	DISKETTE REQUESTED: Y_X__ N____	DATE DUE: 3/23/07
CLIENT: Shaw Environmental	DATE: 2/27/07	PROTOCOL: SW846
CLIENT REP: Janice Jaeger	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:
PROJECT: GE MRFA PROJECT# 810066	CHAIN OF CUSTODY: PRESENT/ABSENT:	

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
981180 QC	MRFA INFLUENT	WATER	OLC 2.1 VOA	2/26/2007	2/27/2007			
981181	MRFA EFFLUENT	WATER	OLC 2.1	2/26/2007	2/27/2007			
981182	MRFA DUPE A	WATER	OLC 2.1	2/26/2007	2/27/2007			
981183	TRIP BLANK	WATER	OLC 2.1	2/26/2007	2/27/2007			
981184	COOLER BLANK	WATER	OLC 2.1	2/26/2007	2/27/2007			

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

2005 SEAL OF EXCELLENCE PROGRAM

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

Columbia Analytical Services, INC.
An Employee - Owned Company
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 1 OF 1

SR #

CAS Contact

Project Name: GE MRFA	Project Number: 810066
Project Manager: Brian Neumann	Report CC: Steve Meier, Judy Harry
Company/Address: Shaw Environmental, Inc 13 British American Blvd Latham, NY 12110	
Phone #: (518) 783-1996	FAX#: (518) 783-8397
Sampler's Signature:	Sampler's Printed Name: Marc Flanagan

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602 ☐LC 8.1	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MRFA Influent	981180	2/06/07	1045	GW	3			X					
MRFA Influent (MS)	981180		1047										
MRFA Influent (MSD)	981180		1049										
MRFA Effluent	981181		1055										
MRFA Dupe A	981182		-										
Trip Blank	981183		-										

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

SPECIAL INSTRUCTIONS/COMMENTS
Metals

Cooler Blank = 981184

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

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

INVOICE INFORMATION
PO#
BILL TO: GE Cep
Albany, NY
R 252 85 04
SUBMISSION #: R273632

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3.0°C CUSTODY SEALS: Y (N)

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: MF	Signature: Mary M. Cook	Signature	Signature	Signature	Signature
Printed Name: Marc Flanagan	Printed Name: M. Cook CAS	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw	Firm:	Firm	Firm	Firm	Firm
Date/Time: 2/06/07 1600	Date/Time: 2/07/07 1050	Date/Time	Date/Time	Date/Time	Date/Time

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

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Shaw / GF Submission Number 220736382

Cooler received on 2/27/07 by: LM COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	3.0°C				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 2/27/07 1100

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: CM 2/27/07

Cooler Breakdown: Date: 2/27/07 by: ALM

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

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO_3						
≤2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH_____

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: SMO 3/5/07

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1912.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. _____ Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	U 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 J
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		3	
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		24	
71-43-2	Benzene		1	U
79-01-6	Trichloroethene	34	35 ~~E~~	
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1912.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA INFL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1912.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLDL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1915.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	4	JD
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	10	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	3	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	23	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	34	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	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLDL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1915.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA INFLDL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1915.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA EFFL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981181 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1911.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	52	J 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 J
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	0.3	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA EFFL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981181 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1911.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA EFFL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981181 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1911.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA DUPE A

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981182 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1914.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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 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 J
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	0.3	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA DUPE A

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981182 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1914.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA DUPE A

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981182 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1914.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981183 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1916.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. _____ Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U 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 J
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981183 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1916.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

2nd page of Form I is missing from here; present in raw - all a U w/ no qual
GM

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981184 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1920.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. _____ Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981184 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1920.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981184 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1920.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	VBLK01	98	0
02	LCS01	99	0
03	MRFA EFFL	97	0
04	MRFA INFL	95	0
05	MRFA DUPE A	96	0
06	MRFA INFLDL	95	0
07	TRIP BLANK	94	0
08	MRFA INFLDLMS	99	0
09	MRFA INFLDLMSD	101	0
10	COOLER BLK	95	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.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

Matrix Spike - EPA Sample No LCS01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.5	110	60 - 140
1,2-Dichloroethane	5.0	0.0	4.9	98	60 - 140
Carbon Tetrachloride	5.0	0.0	5.1	102	60 - 140
Benzene	5.0	0.0	4.9	98	60 - 140
Trichloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dichloropropane	5.0	0.0	5.1	102	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.9	98	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.1	102	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	4.8	96	60 - 140
Bromoform	5.0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.8	96	60 - 140

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 986425 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1905.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	6	
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	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	4	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 986425 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1905.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

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

Lab Code: 10145 Case No.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

Matrix Spike - EPA Sample No MRFA INFLDL

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	10	0.0	12	120	60 - 140
1,2-Dichloroethane	10	0.0	9.9	99	60 - 140
Carbon Tetrachloride	10	23	33	100	60 - 140
Benzene	10	0.0	10	100	60 - 140
Trichloroethene	10	34	43	90	60 - 140
1,2-Dichloropropane	10	0.0	10	100	60 - 140
cis-1,3-Dichloropropene	10	0.0	10.0	100	60 - 140
1,1,2-Trichloroethane	10	0.0	10	100	60 - 140
Tetrachloroethene	10	0.0	11	110	60 - 140
1,2-Dibromoethane	10	0.0	10	100	60 - 140
Bromoform	10	0.0	9.8	98	60 - 140
1,4-Dichlorobenzene	10	0.0	9.8	98	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	10	11	110	9	30	60 - 140
1,2-Dichloroethane	10	10	100	1	30	60 - 140
Carbon Tetrachloride	10	33	100	0	30	60 - 140
Benzene	10	10	100	0	30	60 - 140
Trichloroethene	10	42	80	12	30	60 - 140
1,2-Dichloropropane	10	11	110	10	30	60 - 140
cis-1,3-Dichloropropene	10	9.8	98	2	30	60 - 140
1,1,2-Trichloroethane	10	11	110	10	30	60 - 140
Tetrachloroethene	10	10	100	10	30	60 - 140
1,2-Dibromoethane	10	10	100	0	30	60 - 140
Bromoform	10	10	100	2	30	60 - 140
1,4-Dichlorobenzene	10	10	100	2	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLDLMS

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 2.0 MS

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1917.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. _____ Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	11	D
75-01-4	Vinyl Chloride	12	D
74-83-9	Bromomethane	9	D
75-00-3	Chloroethane	10	D
75-69-4	Trichlorofluoromethane	11	D
75-35-4	1,1-Dichloroethene	11	D
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	11	D
156-60-5	trans-1,2-Dichloroethene	10	D
75-34-3	1,1-Dichloroethane	10	D
156-59-2	cis-1,2-Dichloroethene	11	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	11	D
67-66-3	Chloroform	13	D
107-06-2	1,2-Dichloroethane	10	D
71-55-6	1,1,1-Trichloroethane	11	D
56-23-5	Carbon Tetrachloride	33	D
71-43-2	Benzene	10	D
79-01-6	Trichloroethene	43	D
78-87-5	1,2-Dichloropropane	10	D
75-27-4	Bromodichloromethane	10	D
10061-01-5	cis-1,3-Dichloropropene	10	D
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	D
10061-02-6	trans-1,3-Dichloropropene	10	D
79-00-5	1,1,2-Trichloroethane	10	D
127-18-4	Tetrachloroethene	11	D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	D
106-93-4	1,2-Dibromoethane	10	D
108-90-7	Chlorobenzene	11	D
100-41-4	Ethylbenzene	10	D
1330-20-7	(m+p) Xylene	21	D
1330-20-7	o-Xylene	10	D
100-42-5	Styrene	9	D
79-34-5	1,1,2,2-Tetrachloroethane	10	D
75-25-2	Bromoform	10	D
541-73-1	1,3-Dichlorobenzene	10	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLDLMS

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 2.0 MS

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1917.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	10	D
95-50-1	1,2-Dichlorobenzene	10	D
96-12-8	1,2-Dibromo-3-chloropropane	8	D
120-82-1	1,2,4-Trichlorobenzene	10	D
87-68-3	Hexachlorobutadiene	10	D
87-61-6	1,2,3-Trichlorobenzene	10	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLDLMSD

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 2.0 MSD

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1918.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	11	D
75-01-4	Vinyl Chloride	11	D
74-83-9	Bromomethane	9	D
75-00-3	Chloroethane	11	D
75-69-4	Trichlorofluoromethane	11	D
75-35-4	1,1-Dichloroethene	11	D
67-64-1	Acetone	3	JD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	11	D
156-60-5	trans-1,2-Dichloroethene	10	D
75-34-3	1,1-Dichloroethane	11	D
156-59-2	cis-1,2-Dichloroethene	11	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	11	D
67-66-3	Chloroform	13	D
107-06-2	1,2-Dichloroethane	10	D
71-55-6	1,1,1-Trichloroethane	11	D
56-23-5	Carbon Tetrachloride	33	D
71-43-2	Benzene	10	D
79-01-6	Trichloroethene	42	D
78-87-5	1,2-Dichloropropane	11	D
75-27-4	Bromodichloromethane	10	D
10061-01-5	cis-1,3-Dichloropropene	10	D
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	D
10061-02-6	trans-1,3-Dichloropropene	10	D
79-00-5	1,1,2-Trichloroethane	11	D
127-18-4	Tetrachloroethene	10	D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	D
106-93-4	1,2-Dibromoethane	10	D
108-90-7	Chlorobenzene	10	D
100-41-4	Ethylbenzene	11	D
1330-20-7	(m+p) Xylene	21	D
1330-20-7	o-Xylene	10	D
100-42-5	Styrene	9	D
79-34-5	1,1,2,2-Tetrachloroethane	11	D
75-25-2	Bromoform	10	D
541-73-1	1,3-Dichlorobenzene	10	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLDLMSD

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 981180 2.0 MSD

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1918.D

Level: (low/med) LOW Date Received: 2/27/07

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	10	D
95-50-1	1,2-Dichlorobenzene	10	D
96-12-8	1,2-Dibromo-3-chloropropane	10	D
120-82-1	1,2,4-Trichlorobenzene	11	D
87-68-3	Hexachlorobutadiene	10	D
87-61-6	1,2,3-Trichlorobenzene	11	D

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Lab File ID: V1904.D Lab Sample ID: 986424 1.0

Date Analyzed: 2/28/07 Time Analyzed: 11:47

GC Column: CA-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	986425 1.0	V1905.D	12:23
02	MRFA EFFL	981181 1.0	V1911.D	16:11
03	MRFA INFL	981180 1.0	V1912.D	16:49
04	MRFA DUPE A	981182 1.0	V1914.D	17:58
05	MRFA INFLDL	981180 2.0	V1915.D	18:37
06	TRIP BLANK	981183 1.0	V1916.D	19:14
07	MRFA INFLDLMS	981180 2.0 MS	V1917.D	19:43
08	MRFA INFLDLMSD	981180 2.0 MSD	V1918.D	20:20
09	COOLER BLK	981184 1.0	V1920.D	21:33

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 986424 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1904.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 986424 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1904.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix: (soil/water) WATER Lab Sample ID: 986424 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V1904.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 2/28/07

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Lab File ID: V1876.D BFB Injection Date: 2/27/07

Instrument ID: GCMS#6 BFB Injection Time: 12:04

GC Column: CA-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.0
75	30.0 - 66.0% of mass 95	54.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.7
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	103.7
175	4.0 - 9.0% of mass 174	7.5 (7.3)1
176	93.0 - 101.0% of mass 174	98.1 (94.6)1
177	5.0 - 9.0% of mass 176	6.6 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001/ 005	VSTD001/ 005	V1878.D	2/27/07	13:29
02	VSTD002/ 010	VSTD002/ 010	V1879.D	2/27/07	14:06
03	VSTD005/ 025	VSTD005/ 025	V1880.D	2/27/07	14:50
04	VSTD010/ 050	VSTD010/ 050	V1881.D	2/27/07	15:26
05	VSTD025/ 125	VSTD025/ 125	V1882.D	2/27/07	16:23

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

Lab File ID: V1902.D BFB Injection Date: 2/28/07

Instrument ID: GCMS#6 BFB Injection Time: 10:19

GC Column: CA-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.9
75	30.0 - 66.0% of mass 95	48.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.0 (1.0)1
174	50.0 - 120.0% of mass 95	97.4
175	4.0 - 9.0% of mass 174	7.0 (7.2)1
176	93.0 - 101.0% of mass 174	96.6 (99.2)1
177	5.0 - 9.0% of mass 176	6.3 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD	VSTD	V1903.D	2/28/07	11:03
02	VBLK01	986424 1.0	V1904.D	2/28/07	11:47
03	LCS01	986425 1.0	V1905.D	2/28/07	12:23
04	MRFA EFFL	981181 1.0	V1911.D	2/28/07	16:11
05	MRFA INFL	981180 1.0	V1912.D	2/28/07	16:49
06	MRFA DUPE A	981182 1.0	V1914.D	2/28/07	17:58
07	MRFA INFLDL	981180 2.0	V1915.D	2/28/07	18:37
08	TRIP BLANK	981183 1.0	V1916.D	2/28/07	19:14
09	MRFA INFLDLMS	981180 2.0 MS	V1917.D	2/28/07	19:43
10	MRFA INFLDLMSD	981180 2.0 MSD	V1918.D	2/28/07	20:20
11	COOLER BLK	981184 1.0	V1920.D	2/28/07	21:33

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R7-36382 SAS No.: _____ SDG No.: MRFA INF

Lab File ID (Standard): V1903.D Date Analyzed: 02/28/07

Instrument ID: GCMS#6 Time Analyzed: 11:03

GC Column: CA-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR ST	622832	6.11	516233	8.89	277240	10.75
	LOWER LIMIT	373699	5.61	309740	8.39	166344	10.25
	UPPER LIMIT	871965	6.61	722726	9.39	388136	11.25
	EPA SAMPLE NO.						
01	VBLK01	628752	6.11	518506	8.89	268740	10.75
02	LCS01	611226	6.11	500069	8.89	275569	10.75
03	MRFA EFFL	623202	6.11	516616	8.89	266931	10.75
04	MRFA INFL	622913	6.11	514687	8.89	259389	10.75
05	MRFA DUPE A	606373	6.11	498057	8.89	254097	10.75
06	MRFA INFLDL	596277	6.11	488252	8.89	253921	10.75
07	TRIP BLANK	594367	6.11	481735	8.90	246594	10.75
08	MRFA INFLDLMS	592737	6.11	489936	8.89	275583	10.75
09	MRFA INFLDLMSD	603545	6.11	497869	8.89	278145	10.75
10	COOLER BLK	592275	6.11	490770	8.89	257411	10.75

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = - 40% 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 B

LABORATORY DATA, GROUNDWATER SAMPLES (MAY 14 AND 15, 2007) AND LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES (MAY 14, 2007)

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

June 14, 2007

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

Re: MRFA
Submission # R2737632
SDG # Effluent

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of fifteen water samples, two trip blanks and one cooler blank were received by our laboratory on May 15-16, 2007.

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 and to Steve Meier. 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

FOR

Janice M. Jaeger
Project Chemist

enc.

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

cc: Mr. Steve Meier
GE Corporate Environmental Programs
320 Great Oaks Blvd. Suite 323
Albany, NY 12203

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2737632

Shaw samples were sampled on 5/14-15/07 and received at CAS on 5/15-16/07 in good condition.

INORGANICS

Three water samples were analyzed for Total and Hexavalent Chromium. Please see attached data pages for method numbers.

Site specific QC was performed on M-27D as requested. The Matrix Spike and Blank Spike recoveries were within limits. The Relative Percent Difference (RPD) between the duplicate analyses was within limits.

No analytical or QC problems were encountered.

VOLATILE ORGANICS

Fifteen water samples, two trip blanks and one cooler blank were analyzed for OLC2.1 Volatiles by CLP methodology.

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.

Site specific QC was performed on M-27D and Influent as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) and Blank Spike recoveries were within limits. All RPD's between the MS/MSD were within limits.

Various compounds for several samples 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 recommended 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

DG #: EFFLUENT
UBMISSION R2737632
:LIENT: Shaw Environmental
:LIENT REP: Janice Jaeger
'ROJECT: GE MRFA PROJECT #810066

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y_X__ N____
DATE: 5/17/07
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 6/6/07 RUSH
PROTOCOL: SW846
SHIPPING No.:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
1002848	EFFLUENT	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002849QC	INFLUENT	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002850	DUPE A	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002851	TRIP BLANK	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002852	COOLER BLANK	WATER	OLC2.1 VOA	5/15/2007	5/15/2007			
1002853	DUPE B	WATER	CR,CR6	5/14/2007	5/15/2007			
1002854	13D	WATER	CR,CR6	5/14/2007	5/15/2007			
1002855QC	M-27D	WATER	OLC2.1 VOA,CR,CR6	5/14/2007	5/15/2007			
1002856	M-25D	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002857	14D	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1003117	M-11D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003118	M-24D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003119	M-29D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003120	DUPE C	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003121	M-33S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003122	M-33D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003124	DGC-3S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003126	DGC-4S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003127	TRIP BLANK	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003128	4D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			

SDG #: EFFLI
SUBMISSION R2737632

0 BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y_X__ N____

DATE REVISED:
DATE DUE: 6/6/07 RUSH

Columbia Analytical Services inc.

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 #810066
Lab Submission # : R2737632
Project Manager : Janice Jaeger
Reported : 06/12/07

Report Contains a total of 113 pages

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

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

Columbia Analytical Services INC.
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ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality Environmental ACIL 2005 SEAL OF EXCELLENCE PROGRAM

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

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

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 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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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR #

CAS Contact

Project Name: GE MRFA	Project Number: 810066
Project Manager: B. Neumann	Report CC: Steve Meier / Judy Harry
Company/Address: Shaw Environmental, Inc 13 British American Blvd Latham, NY 12110	
Phone #: (518) 783-1996	FAX#: (518) 783-8397
Sampler's Signature:	Sampler's Printed Name: MFlanagan

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

PRESERVATIVE: 1 2 0

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 2/ VOA	Cr	Cr6	REMARKS/ ALTERNATE DESCRIPTION
Effluent		5/14/07	950	GW								X				
Influent			955									X				
Influent (MS)			957									X				
Influent (MSD)			959									X				
Dupe A			-									X				
14D			1250									X				
13D			1330										X	X		
Dupe B			-										X	X		
Trip Blank												X				

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

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ **RUSH** (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr _____ 5 day
X **STANDARD**
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

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

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: MF	Signature: Rachel Jones	Signature:	Signature:	Signature:	Signature:
Printed Name: Flanagan	Printed Name: Rachel Jones	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Shaw	Firm: CAS	Firm:	Firm:	Firm:	Firm:
Date/Time: 5/14/07 1600	Date/Time: 5/15/07 935	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

SCOC-1102-08

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SR #

CAS Contact

Project Name	Project Number
Project Manager	Report CC
Company/Address: SAME	
Phone #	FAX#
Sampler's Signature	Sampler's Printed Name

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

PRESERVATIVE: 1 2 0

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	QLC 2.1 VOA	Cr	Cr6	REMARKS/ ALTERNATE DESCRIPTION
M-27D		5-14-07	1405	GW									X	X	X	
M-27DMS			1407										X	X	X	
M-27D MSD			1409										X	X	X	
M-25D			1435										X	X	X	

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

SPECIAL INSTRUCTIONS/COMMENTS
Metals

no sample sent for M-25D JM 5/15/07

See QAPP ☐

TURNAROUND REQUIREMENTS
____ **RUSH** (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
X **STANDARD**
REQUESTED FAX DATE
REQUESTED REPORT DATE

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

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature Rachel Jones	Signature	Signature	Signature	Signature
Printed Name Flores	Printed Name Rachel Jones	Printed Name	Printed Name	Printed Name	Printed Name
Firm Shaw	Firm CAS	Firm	Firm	Firm	Firm
Date/Time 5/14/07 1600	Date/Time 5/15/07 935	Date/Time	Date/Time	Date/Time	Date/Time

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

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Shaw Submission Number R2-371632.

Cooler received on 5/15/07 by: RCJ **COURIER:** CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were (Ice) or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	2°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 5/15/07 @ 1015

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: JMS 5/15/07

Cooler Breakdown: Date: 5/15/07 by: RCJ

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

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO_3	✓					
≤2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: JMS 5/16/07

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SR #

CAS Contact

Project Name: GE MRFA	Project Number: 810066
Project Manager: B. Neumann	Report CC: Steve Meier / Judy Harry
Company/Address: Shaw Environmental, Inc 13 British American Blvd Latham, NY 12110	
Phone #: (518) 783-1996	FAX#: (518) 783-8397
Sampler's Signature	Sampler's Printed Name: M. Flanagan

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

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 2.1 VOA							REMARKS/ ALTERNATE DESCRIPTION
M-11D		5/15/07	1120	GW	3								X							
M-24D			1145																	
M-29D			1210																	
Dupe C																				
M-33S			1405																	
M-33D			1420																	
DGC-3S			1500																	
DGC-4S			1525																	
Trip Blank		-	-																	
4D		5/15/07	1240																	

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

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ **RUSH** (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_X_ **STANDARD**
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

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

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Flanagan	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 5/15/07 1700	Date/Time: 5/16/07 940	Date/Time	Date/Time	Date/Time	Date/Time

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

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client _____ Submission Number R2737632.

Cooler received on 5/16/07 by: UNC COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?		YES	(NO)		
2.	Were custody papers properly filled out (ink, signed, etc.)?		(YES)	NO		
3.	Did all bottles arrive in good condition (unbroken)?		(YES)	NO		
4.	Did any VOA vials have significant air bubbles?		YES	(NO)	N/A	
5.	Were (Ice) or Ice packs present?		(YES)	NO		
6.	Where did the bottles originate?		(CAS/ROC)	CLIENT		
7.	Temperature of cooler(s) upon receipt:	2°C				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 5/16/07 1015

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: JMS 5/16/07

Cooler Breakdown: Date: 5/16/07 by: AMM

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

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO_3						
≤2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: JMS 5/17/07

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	LCS01	104	0
02	VBLK01	101	0
03	EFFLUENT	102	0
04	TRIP BLANK	101	0
05	M-27D	101	0
06	14D	101	0
07	M-11D	100	0
08	M-24D	99	0
09	M-29D	98	0
10	DUPE C	98	0
11	M-33S	98	0
12	M-33D	101	0
13	DGC-3S	98	0
14	INFLUENT	96	0
15	INFLUENTMS	100	0
16	VBLK02	94	0
17	LCS02	98	0
18	INFLUENTMSD	98	0
19	M-27DMS	98	0
20	M-27DMSD	100	0
21	DGC-4S	98	0
22	TRIP BLANK	97	0
23	4D	96	0
24	DUPE A	93	0
25	INFLUENTDL	94	0
26	M-25D	98	0
27	DUPECDL	95	0
28	COOLER BLANK	93	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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002848 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3377.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 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

CAS NO.	COMPOUND		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 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002848 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3377.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002848 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3377.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002849 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3390.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	2	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	14	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	24 ~~27~~	~~E~~
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002849 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3390.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002849 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3390.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002849 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3406.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	2	JD
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	13	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	24	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	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002849 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3406.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	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.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002849 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3406.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002850 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3405.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 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

CAS NO.	COMPOUND		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 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002850 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3405.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002850 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3405.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002851 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3379.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002851 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3379.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002851 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3379.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002852 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3409.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002852 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3409.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002852 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3409.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002855 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3380.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	0.9	J
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	2	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	15	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	15	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002855 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3380.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-27D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002855 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3380.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002856 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3407.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 5/23-07

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	12	U J
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	12	U J
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	60	
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	31	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002856 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3407.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 GM 7.22.07

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002856 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3407.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 7-23-07

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

14D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002857 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3382.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002857 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3382.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

14D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1002857 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3382.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-11D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003117 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3383.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	3	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	12	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-11D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003117 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3383.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-11D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003117 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3383.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-24D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003118 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3384.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 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

CAS NO.	COMPOUND		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 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	0.4	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	10	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-24D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003118 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3384.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-24D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003118 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3384.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003119 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3385.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 (DL) 6/7/07

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	10	U J
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	3	
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	11	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003119 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3385.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 (DL) 6/7/07

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-29D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003119 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3385.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.0 (2D) 6/7/07

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE C

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003120 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3386.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	3	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	4	
56-23-5	Carbon Tetrachloride	33 ~~37~~	~~E~~
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	13	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE C

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003120 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3386.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE C

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003120 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3386.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPECDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003120 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3408.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	3	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	4	D
56-23-5	Carbon Tetrachloride	33	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	12	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	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPECDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003120 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3408.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPECDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003120 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3408.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003121 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3387.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003121 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3387.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003121 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3387.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

55

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003122 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3388.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003122 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3388.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003122 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3388.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-3S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003124 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3389.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 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

CAS NO.	COMPOUND		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 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003124 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3389.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 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

CAS NO.	COMPOUND		Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003124 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3389.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-4S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003126 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3402.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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 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 J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003126 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3402.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003126 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3402.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003127 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3403.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003127 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3403.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003127 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3403.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003128 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3404.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003128 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3404.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1003128 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3404.D

Level: (low/med) LOW Date Received: 5/16/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
13D

ontract: R2737632

ab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

atrix (soil/water): WATER Lab Sample ID: 1002854

evel (low/med): LOW Date Received: 05/15/07

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	25.3			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
DUPE B

ontract: R2737632

ab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

atrix (soil/water): WATER Lab Sample ID: 1002853

evel (low/med): LOW Date Received: 05/15/07

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	26.3			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

M-27D

Contract: R2737632

Lab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

Matrix (soil/water): WATER Lab Sample ID: 1002855

Level (low/med): LOW Date Received: 05/15/07

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/07

Shaw Environmental
Project Reference: GE MRFA PROJECT #810066
Client Sample ID : DUPE B

Date Sampled : 05/14/07 **Order #:** 1002853 **Sample Matrix:** WATER
Date Received: 05/15/07 **Submission #:** R2737632

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/07	10:44	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/07

Shaw Environmental
Project Reference: GE MRFA PROJECT #810066
Client Sample ID : 13D

Date Sampled : 05/14/07 13:30 **Order #:** 1002854 **Sample Matrix:** WATER
Date Received: 05/15/07 **Submission #:** R2737632

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/07	10:44	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/07

Shaw Environmental
Project Reference: GE MRFA PROJECT #810066
Client Sample ID : M-27D

Date Sampled : 05/14/07 14:05 **Order #:** 1002855 **Sample Matrix:** WATER
Date Received: 05/15/07 **Submission #:** R2737632

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/07	10:44	1.0

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No LCS01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.0	80	60 - 140
1,2-Dichloroethane	5.0	0.0	4.8	96	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	5.1	102	60 - 140
1,2-Dichloropropane	5.0	0.0	5.0	100	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.7	94	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.1	102	60 - 140
Tetrachloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dibromoethane	5.0	0.0	4.9	98	60 - 140
Bromoform	5.0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMMENTS:

METALS
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

ontract: R2737632 SDG No.: EFFLUENT

ab Code: Case No.: SAS No.:

OW No.: CLP ILM5.3 Client: Shaw Environmental

Sample No.	Lab Sample ID.
DUPE B	1002853
13D	1002854
M-27D	1002855
M-27DD	1002855D
M-27DS	1002855S

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

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

Comments: See Attached Case Narrative

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 conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

ignature: Michael K Perry Name: Michael K Perry

ate: 6/14/07 Title: Laboratory Manager

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009040 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3374.D

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

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	3	
75-01-4	Vinyl Chloride	4	
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	3	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	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009040 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3374.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No LCS02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	3.8	76	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	60 - 140
Carbon Tetrachloride	5.0	0.0	4.9	98	60 - 140
Benzene	5.0	0.0	4.8	96	60 - 140
Trichloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.6	92	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	5.1	102	60 - 140
Bromoform	5.0	0.0	4.9	98	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009046 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3397.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009046 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3397.D

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

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No INFLUENT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.2	84	60 - 140
1,2-Dichloroethane	5.0	0.0	5.1	102	60 - 140
Carbon Tetrachloride	5.0	14	20	120	60 - 140
Benzene	5.0	0.0	5.2	104	60 - 140
Trichloroethene	5.0	27	31	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.0	100	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	4.9	98	60 - 140
Bromoform	5.0	0.0	4.8	96	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	5.0	4.1	82	2	30	60 - 140
1,2-Dichloroethane	5.0	5.1	102	0	30	60 - 140
Carbon Tetrachloride	5.0	20	120	0	30	60 - 140
Benzene	5.0	5.0	100	4	30	60 - 140
Trichloroethene	5.0	31	80	0	30	60 - 140
1,2-Dichloropropane	5.0	5.2	104	2	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.8	96	4	30	60 - 140
1,1,2-Trichloroethane	5.0	5.1	102	2	30	60 - 140
Tetrachloroethene	5.0	5.3	106	6	30	60 - 140
1,2-Dibromoethane	5.0	4.9	98	0	30	60 - 140
Bromoform	5.0	4.8	96	0	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	2	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009041 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3391.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4	
75-01-4	Vinyl Chloride	4	
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	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	7	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	20	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	31	E
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009041 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3391.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009042 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3398.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4	
75-01-4	Vinyl Chloride	4	
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	5	
67-66-3	Chloroform	7	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	20	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	31	E
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	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009042 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3398.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No M-27D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.1	82	60 - 140
1,2-Dichloroethane	5.0	0.0	4.9	98	60 - 140
Carbon Tetrachloride	5.0	15	20	100	60 - 140
Benzene	5.0	0.0	5.0	100	60 - 140
Trichloroethene	5.0	15	20	100	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.6	92	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.0	100	60 - 140
Tetrachloroethene	5.0	0.0	5.2	104	60 - 140
1,2-Dibromoethane	5.0	0.0	4.9	98	60 - 140
Bromoform	5.0	0.0	4.7	94	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	5.0	4.1	82	0	30	60 - 140
1,2-Dichloroethane	5.0	5.1	102	4	30	60 - 140
Carbon Tetrachloride	5.0	20	100	0	30	60 - 140
Benzene	5.0	5.0	100	0	30	60 - 140
Trichloroethene	5.0	20	100	0	30	60 - 140
1,2-Dichloropropane	5.0	5.2	104	0	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.8	96	4	30	60 - 140
1,1,2-Trichloroethane	5.0	5.2	104	4	30	60 - 140
Tetrachloroethene	5.0	5.2	104	0	30	60 - 140
1,2-Dibromoethane	5.0	5.1	102	4	30	60 - 140
Bromoform	5.0	4.9	98	4	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	2	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009050 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3399.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009050 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3399.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 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

CAS NO.	COMPOUND		Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	6	
87-68-3	Hexachlorobutadiene	6	
87-61-6	1,2,3-Trichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009051 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3400.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	3	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	4	
75-69-4	Trichlorofluoromethane	6	
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	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	20	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	20	
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	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009051 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3400.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	6	
87-68-3	Hexachlorobutadiene	6	
87-61-6	1,2,3-Trichlorobenzene	6	

METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DS

ontract: R2737632

ab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

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

Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	75 - 125	199.9213		1.9200	U	200.00	100.0		P

omments:

METALS
-5B-
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DA

ontract: R2737632

ab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Chromium		202.22		1.92	U	200.0	101.1		P

Comments:

METALS

-6-

DUPLICATES

SAMPLE NO.

M-27DD

ontract: R2737632

ab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

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

Solids for Sample: 0.0 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		1.9200	U	1.9200	U			P

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 06/12/07
CAS Order # : 1002855 - M-27D
Client : Shaw Environmental
GE MRFA PROJECT #810066
Reported Units: MG/L
Run # : 144790

	PRECISION			ACCURACY			
	ORIGINAL	DUPLICATE	RPD	FOUND	ADDED	% REC.	LIMITS
HEXAVALENT CHROMIUM	0.0100 U	0.0100 U	NC	0.102	0.100	102	85 - 115

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Lab File ID: V3376.D Lab Sample ID: 1009039 1.0

Date Analyzed: 5/24/07 Time Analyzed: 1:56

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	1009040 1.0	V3374.D	0:42
02	EFFLUENT	1002848 1.0	V3377.D	2:33
03	TRIP BLANK	1002851 1.0	V3379.D	3:46
04	M-27D	1002855 1.0	V3380.D	4:23
05	14D	1002857 1.0	V3382.D	5:36
06	M-11D	1003117 1.0	V3383.D	6:13
07	M-24D	1003118 1.0	V3384.D	6:50
08	M-29D	1003119 2.0	V3385.D	7:27
09	DUPE C	1003120 1.0	V3386.D	8:03
10	M-33S	1003121 1.0	V3387.D	8:40
11	M-33D	1003122 1.0	V3388.D	9:17
12	DGC-3S	1003124 1.0	V3389.D	9:52
13	INFLUENT	1002849 1.0	V3390.D	10:28
14	INFLUENTMS	1009041 1.0	V3391.D	11:05

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009039 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3376.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009039 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3376.D

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

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009039 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3376.D

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

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Lab File ID: V3396.D Lab Sample ID: 1009045 1.0

Date Analyzed: 5/24/07 Time Analyzed: 14:30

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS02	1009046 1.0	V3397.D	15:07
02	INFLUENTMSD	1009042 1.0	V3398.D	15:39
03	M-27DMS	1009050 1.0	V3399.D	16:12
04	M-27DMSD	1009051 1.0	V3400.D	16:45
05	DGC-4S	1003126 1.0	V3402.D	17:54
06	TRIP BLANK	1003127 1.0	V3403.D	18:27
07	4D	1003128 1.0	V3404.D	19:01
08	DUPE A	1002850 1.0	V3405.D	19:38
09	INFLUENTDL	1002849 2.0	V3406.D	20:15
10	M-25D	1002856 2.5	V3407.D	20:52
11	DUPECDL	1003120 2.0	V3408.D	21:29
12	COOLER BLANK	1002852 1.0	V3409.D	22:05

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009045 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3396.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009045 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3396.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 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

CAS NO.	COMPOUND		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.

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1009045 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3396.D

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

% Moisture: not dec. _____ Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID: V3354.D BFB Injection Date: 5/23/07

Instrument ID: GCMS#6 BFB Injection Time: 10:35

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.5
75	30.0 - 66.0% of mass 95	40.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.6
175	4.0 - 9.0% of mass 174	6.1 (7.3)1
176	93.0 - 101.0% of mass 174	78.9 (94.5)1
177	5.0 - 9.0% of mass 176	5.5 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001 / 005	VSTD001 / 005	V3357.D	5/23/07	13:54
02	VSTD002 / 010	VSTD002 / 010	V3358.D	5/23/07	14:40
03	VSTD005 / 125	VSTD005 / 025	V3359.D	5/23/07	15:21
04	VSTD025 / 125	VSTD025 / 125	V3361.D	5/23/07	16:57
05	VSTD010 / 050	VSTD010 / 050	V3363.D	5/23/07	18:11

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID: V3372.D BFB Injection Date: 5/23/07

Instrument ID: GCMS#6 BFB Injection Time: 23:29

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.3
75	30.0 - 66.0% of mass 95	49.0
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	0.5 (0.6)1
174	50.0 - 120.0% of mass 95	84.4
175	4.0 - 9.0% of mass 174	5.9 (7.0)1
176	93.0 - 101.0% of mass 174	83.5 (98.9)1
177	5.0 - 9.0% of mass 176	5.7 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD 1	VSTD 1	V3373.D	5/24/07	0:06
02	LCS01	1009040 1.0	V3374.D	5/24/07	0:42
03	VBLK01	1009039 1.0	V3376.D	5/24/07	1:56
04	EFFLUENT	1002848 1.0	V3377.D	5/24/07	2:33
05	TRIP BLANK	1002851 1.0	V3379.D	5/24/07	3:46
06	M-27D	1002855 1.0	V3380.D	5/24/07	4:23
07	14D	1002857 1.0	V3382.D	5/24/07	5:36
08	M-11D	1003117 1.0	V3383.D	5/24/07	6:13
09	M-24D	1003118 1.0	V3384.D	5/24/07	6:50
10	M-29D	1003119 2.0	V3385.D	5/24/07	7:27
11	DUPE C	1003120 1.0	V3386.D	5/24/07	8:03
12	M-33S	1003121 1.0	V3387.D	5/24/07	8:40
13	M-33D	1003122 1.0	V3388.D	5/24/07	9:17
14	DGC-3S	1003124 1.0	V3389.D	5/24/07	9:52
15	INFLUENT	1002849 1.0	V3390.D	5/24/07	10:28
16	INFLUENTMS	1009041 1.0	V3391.D	5/24/07	11:05

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID: V3393.D BFB Injection Date: 5/24/07

Instrument ID: GCMS#6 BFB Injection Time: 12:09

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.3
75	30.0 - 66.0% of mass 95	52.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.6
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	79.4
175	4.0 - 9.0% of mass 174	5.5 (7.0)1
176	93.0 - 101.0% of mass 174	77.7 (97.8)1
177	5.0 - 9.0% of mass 176	5.5 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD 2	VSTD 2	V3394.D	5/24/07	12:57
02	VBLK02	1009045 1.0	V3396.D	5/24/07	14:30
03	LCS02	1009046 1.0	V3397.D	5/24/07	15:07
04	INFLUENTMSD	1009042 1.0	V3398.D	5/24/07	15:39
05	M-27DMS	1009050 1.0	V3399.D	5/24/07	16:12
06	M-27DMSD	1009051 1.0	V3400.D	5/24/07	16:45
07	DGC-4S	1003126 1.0	V3402.D	5/24/07	17:54
08	TRIP BLANK	1003127 1.0	V3403.D	5/24/07	18:27
09	4D	1003128 1.0	V3404.D	5/24/07	19:01
10	DUPE A	1002850 1.0	V3405.D	5/24/07	19:38
11	INFLUENTDL	1002849 2.0	V3406.D	5/24/07	20:15
12	M-25D	1002856 2.5	V3407.D	5/24/07	20:52
13	DUPECDL	1003120 2.0	V3408.D	5/24/07	21:29
14	COOLER BLANK	1002852 1.0	V3409.D	5/24/07	22:05

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID (Standard): V3373.D Date Analyzed: 05/24/07

Instrument ID: GCMS#6 Time Analyzed: 00:06

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR ST	620196	6.09	499006	8.88	227622	10.73
	LOWER LIMIT	372118	5.59	299404	8.38	136573	10.23
	UPPER LIMIT	868274	6.59	698608	9.38	318671	11.23
	EPA SAMPLE NO.						
01	LCS01	627022	6.09	508704	8.87	233807	10.73
02	VBLK01	613297	6.09	489800	8.87	217359	10.73
03	EFFLUENT	598238	6.09	486829	8.87	215895	10.73
04	TRIP BLANK	610697	6.09	492999	8.88	221283	10.73
05	M-27D	608306	6.09	494984	8.87	219881	10.73
06	14D	598988	6.09	490149	8.88	216474	10.73
07	M-11D	595155	6.09	489440	8.87	213727	10.73
08	M-24D	590279	6.09	471467	8.88	213220	10.73
09	M-29D	589894	6.09	484082	8.88	211402	10.73
10	DUPE C	582750	6.09	473930	8.88	211926	10.73
11	M-33S	596481	6.09	481316	8.87	212545	10.74
12	M-33D	576564	6.10	470669	8.87	208383	10.73
13	DGC-3S	574937	6.09	465421	8.88	201632	10.73
14	INFLUENT	580177	6.09	460253	8.88	203226	10.73
15	INFLUENTMS	583697	6.09	467589	8.88	220181	10.73

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = - 40% 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.: R7-37632 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID (Standard): V3394.D Date Analyzed: 05/24/07

Instrument ID: GCMS#6 Time Analyzed: 12:57

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR ST	600592	6.09	486260	8.87	225527	10.73
	LOWER LIMIT	360355	5.59	291756	8.37	135316	10.23
	UPPER LIMIT	840829	6.59	680764	9.37	315738	11.23
	EPA SAMPLE NO.						
01	VBLK02	579822	6.09	471348	8.88	208987	10.73
02	LCS02	589049	6.09	474320	8.88	222589	10.73
03	INFLUENTMSD	594183	6.09	477177	8.87	224349	10.73
04	M-27DMS	600462	6.09	489429	8.88	228473	10.73
05	M-27DMSD	598417	6.10	479798	8.87	226272	10.74
06	DGC-4S	597399	6.10	484673	8.88	212992	10.74
07	TRIP BLANK	594169	6.09	486438	8.88	209874	10.73
08	4D	579244	6.09	474193	8.88	206117	10.73
09	DUPE A	579418	6.09	462119	8.88	201089	10.73
10	INFLUENTDL	579420	6.09	473780	8.87	206357	10.73
11	M-25D	559862	6.09	468549	8.88	200636	10.73
12	DUPECDL	577655	6.09	469266	8.87	207528	10.73
13	COOLER BLANK	565699	6.09	460417	8.87	200792	10.73

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = - 40% 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

METALS

-3-

BLANKS

Contract: R2737632

Lab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C		M
Chromium	1.9	U	1.9	U	1.9	U	1.9	U	1.920	U		P

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2737632
Client: Shaw Environmental
GE MRFA PROJECT #810066

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
HEXAVALENT CHROMIUM	0.0100 U	0.100	0.100	100	90 - 109	144790	MG/L

APPENDIX C

DATA VALIDATION REPORTS

Data Validation Services

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

Proj._____
Proj #_____
File Code: _____

LETTER OF TRANSMITTAL

TO: Marc Flanagan

COMPANY: Shaw

FROM: Judy Harry

DATE: 07-24-07

ENCLOSED: Validation report for the MRFA site

Associated Summary data packages (CAS Sub Nos. R2736382 and R2737632)

Associated invoice w/ qualifiers

COMMENTS:

Ship via: US Express____ UPS ____ US Priority_X___Fed Ex____Other ___

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

July 23, 2007

Marc Flanagan
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

RE: Validation of MRFA Malta Site Data Packages
CAS Sub Nos. R2736382 and R2737632

Dear Mr. Flanagan:

Review has been completed for the data packages generated by Columbia Analytical Services (CAS), pertaining to aqueous samples collected 02/26/07, 05/14/07, and 05/15/07 at the MRFA Malta Site. Nineteen samples (including three field duplicates), cooler blanks, and trip blanks were processed for site-specific low level volatiles. One 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 case narratives are attached to this narrative, and should be reviewed in conjunction with this narrative. Data summary packages are also submitted with qualifiers applied in red ink to report forms.

Data Completeness

Data packages were complete as received, and no resubmissions were required.

Low Level Volatile Analyses

The result for acetone in MRFA-Effluent is edited to reflect non-detection due to poor mass spectral quality.

The results for analytes initially flagged as "E" by the laboratory are to be derived from the dilution analyses of the samples.

Acetone and 2-butanone exhibited low relative response factors (RRFs) in the calibration standards that are inherent with the methodology. The usability of those data is evidenced by spike recoveries and calibration standard responses, but the reporting limits for those two compounds in all of the project samples should be considered estimated ("UJ" or "J" qualifiers), possibly biased low.

The trip and cooler blanks from May 2007 show low level contamination of acetone (2 ppb and 3 ppb). The detected acetone results for the samples collected that month are therefore considered external contamination, and edited to reflect non-detection ("U").

Other calibration standard responses are acceptable.

Matrix spikes of MRFA Influent (2/26), Influent (5/14), and M-27D show acceptable accuracy and precision.

Volatile field duplicate correlations for MRFA Effluent (2/26), Effluent (5/14), and M-29D are well within validation guidelines.

The dilution factor shown on the Form 1A for M-25D is incorrect. The reported results are correct, reflecting the raw data dilution factor value of 2.

Total Chromium Analyses

The matrix spike/lab duplicate accuracy and precision determinations were performed on M-27D, and show recoveries and duplicate correlations within recommended limits.

Field duplicate evaluation for 13D 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

The matrix spike/lab duplicate accuracy and precision determinations were performed on M-27D, and show recoveries and duplicate correlations within recommended limits.

The field duplicate correlation for 13D was within guidelines.

Reported results are substantiated by the raw data, and generated in compliance with required protocols.

Chain-of-Custody

A down-arrow was omitted from the matrix field on one of the custodies.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

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.

SDG #: MRFA INFLUENT	BATCH COMPLETE: __yes_____	DATE REVISED:
SUBMISSION R2736382	DISKETTE REQUESTED: Y_X__ N____	DATE DUE: 3/23/07
CLIENT: Shaw Environmental	DATE: 2/27/07	PROTOCOL: SW846
CLIENT REP: Janice Jaeger	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:
PROJECT: GE MRFA PROJECT# 810066	CHAIN OF CUSTODY: PRESENT/ABSENT:	

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
981180 QC	MRFA INFLUENT	WATER	OLC 2.1 √ VOA	2/26/2007	2/27/2007			
981181	MRFA EFFLUENT	WATER	OLC 2.1	2/26/2007	2/27/2007			
981182	MRFA DUPE A	WATER	OLC 2.1	2/26/2007	2/27/2007			
981183	TRIP BLANK	WATER	OLC 2.1	2/26/2007	2/27/2007			
981184	COOLER BLANK	WATER	OLC 2.1	2/26/2007	2/27/2007			

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: EFFLUENT
SUBMISSION R2737632
CLIENT: Shaw Environmental
CLIENT REP: Janice Jaeger
PROJECT: GE MRFA PROJECT #810066

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y_X__ N____
DATE: 5/17/07
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 6/6/07 RUSH
PROTOCOL: SW846
SHIPPING No.:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
1002848	EFFLUENT	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002849QC	INFLUENT	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002850	DUPE A	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002851	TRIP BLANK	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002852	COOLER BLANK	WATER	OLC2.1 VOA	5/15/2007	5/15/2007			
1002853	DUPE B	WATER	CR,CR6	5/14/2007	5/15/2007			
1002854	13D	WATER	CR,CR6	5/14/2007	5/15/2007			
1002855QC	M-27D	WATER	OLC2.1 VOA,CR,CR6	5/14/2007	5/15/2007			
1002856	M-25D	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002857	14D	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1003117	M-11D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003118	M-24D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003119	M-29D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003120	DUPE C	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003121	M-33S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003122	M-33D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003124	DGC-3S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003126	DGC-4S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003127	TRIP BLANK	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003128	4D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			

SDG #: EFFLU 0
SUBMISSION R2737632

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y_X__ N____

DATE REVISED:
DATE DUE: 6/6/07 RUSH

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2736382

Shaw samples were collected on 02/26/07 and received at CAS on 02/27/07 in good condition.

VOLATILE ORGANICS

Four water samples and one cooler blank were analyzed for OLC2.1 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 Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on MRFA Influent as requested. All MS/MSD and Reference spike recoveries were within limits. All RPD's were within limits.

Various compounds for MRFA Influent 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 recommended 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. Jan Jensen

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2737632

Shaw samples were sampled on 5/14-15/07 and received at CAS on 5/15-16/07 in good condition.

INORGANICS

Three water samples were analyzed for Total and Hexavalent Chromium. Please see attached data pages for method numbers.

Site specific QC was performed on M-27D as requested. The Matrix Spike and Blank Spike recoveries were within limits. The Relative Percent Difference (RPD) between the duplicate analyses was within limits.

No analytical or QC problems were encountered.

VOLATILE ORGANICS

Fifteen water samples, two trip blanks and one cooler blank were analyzed for OLC2.1 Volatiles by CLP methodology.

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.

Site specific QC was performed on M-27D and Influent as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) and Blank Spike recoveries were within limits. All RPD's between the MS/MSD were within limits.

Various compounds for several samples 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 recommended 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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APPENDIX D

AIR STRIPPER FLOW DATA

AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
12/30/2006	Total	860	530	0.60	0.37	0.97
12/31/2006	Total	790	500	0.55	0.35	0.90
1/1/2007	Total	860	550	0.60	0.38	0.98
1/2/2007	Total	850	530	0.59	0.37	0.96
1/3/2007	Total	920	590	0.64	0.41	1.05
1/4/2007	Total	930	580	0.65	0.40	1.05
1/5/2007	Total	880	560	0.61	0.39	1.00
1/6/2007	Total	980	620	0.68	0.43	1.11
1/7/2007	Total	790	490	0.55	0.34	0.89
1/8/2007	Total	860	550	0.60	0.38	0.98
1/9/2007	Total	1,000	640	0.69	0.44	1.14
1/10/2007	Total	910	570	0.63	0.40	1.03
1/11/2007	Total	810	520	0.56	0.36	0.92
1/12/2007	Total	1,010	640	0.70	0.44	1.15
1/13/2007	Total	860	550	0.60	0.38	0.98
1/14/2007	Total	780	500	0.54	0.35	0.89
1/15/2007	Total	860	550	0.60	0.38	0.98
1/16/2007	Total	440	350	0.31	0.24	0.55
1/17/2007	Total	930	590	0.65	0.41	1.06
1/18/2007	Total	940	610	0.65	0.42	1.08
1/19/2007	Total	1,100	700	0.76	0.49	1.25
1/20/2007	Total	1,220	760	0.85	0.53	1.38
1/21/2007	Total	1,240	770	0.86	0.53	1.40
1/22/2007	Total	1,180	730	0.82	0.51	1.33
1/23/2007	Total	1,340	830	0.93	0.58	1.51
1/24/2007	Total	1,370	850	0.95	0.59	1.54
1/25/2007	Total	1,320	800	0.92	0.56	1.47
1/26/2007	Total	1,310	800	0.91	0.56	1.47
1/27/2007	Total	460	270	0.32	0.19	0.51
1/28/2007	Total	0	0	0.00	0.00	0.00
1/29/2007	Total	0	0	0.00	0.00	0.00
1/30/2007	Total	0	0	0.00	0.00	0.00
1/31/2007	Total	0	0	0.00	0.00	0.00
2/1/2007	Total	0	0	0.00	0.00	0.00
2/2/2007	Total	0	0	0.00	0.00	0.00
2/3/2007	Total	0	0	0.00	0.00	0.00
2/4/2007	Total	0	0	0.00	0.00	0.00
2/5/2007	Total	0	0	0.00	0.00	0.00
2/6/2007	Total	0	0	0.00	0.00	0.00
2/7/2007	Total	0	0	0.00	0.00	0.00
2/8/2007	Total	10	0	0.01	0.00	0.01
2/9/2007	Total	0	0	0.00	0.00	0.00
2/10/2007	Total	0	0	0.00	0.00	0.00
2/11/2007	Total	0	0	0.00	0.00	0.00
2/12/2007	Total	0	0	0.00	0.00	0.00
2/13/2007	Total	0	0	0.00	0.00	0.00
2/14/2007	Total	0	0	0.00	0.00	0.00
2/15/2007	Total	0	0	0.00	0.00	0.00
2/16/2007	Total	0	0	0.00	0.00	0.00
2/17/2007	Total	0	0	0.00	0.00	0.00

AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
2/18/2007	Total	0	0	0.00	0.00	0.00
2/19/2007	Total	0	0	0.00	0.00	0.00
2/20/2007	Total	0	0	0.00	0.00	0.00
2/21/2007	Total	3,320	0	2.31	0.00	2.31
2/22/2007	Total	8,870	0	6.16	0.00	6.16
2/23/2007	Total	8,850	70	6.15	0.05	6.19
2/24/2007	Total	8,870	2,650	6.16	1.84	8.00
2/25/2007	Total	8,910	2,600	6.19	1.81	7.99
2/26/2007	Total	8,980	2,680	6.24	1.86	8.10
2/27/2007	Total	3,890	1,160	2.70	0.81	3.51
2/28/2007	Total	960	200	0.67	0.14	0.81
3/1/2007	Total	1,770	450	1.23	0.31	1.54
3/2/2007	Total	1,660	430	1.15	0.30	1.45
3/3/2007	Total	1,610	430	1.12	0.30	1.42
3/4/2007	Total	1,490	430	1.03	0.30	1.33
3/5/2007	Total	1,510	430	1.05	0.30	1.35
3/6/2007	Total	1,570	380	1.09	0.26	1.35
3/7/2007	Total	1,570	260	1.09	0.18	1.27
3/8/2007	Total	1,580	230	1.10	0.16	1.26
3/9/2007	Total	1,560	480	1.08	0.33	1.42
3/10/2007	Total	1,750	500	1.22	0.35	1.56
3/11/2007	Total	1,690	480	1.17	0.33	1.51
3/12/2007	Total	1,610	470	1.12	0.33	1.44
3/13/2007	Total	1,660	460	1.15	0.32	1.47
3/14/2007	Total	1,720	490	1.19	0.34	1.53
3/15/2007	Total	1,640	450	1.14	0.31	1.45
3/16/2007	Total	1,740	470	1.21	0.33	1.53
3/17/2007	Total	1,660	460	1.15	0.32	1.47
3/18/2007	Total	1,580	430	1.10	0.30	1.40
3/19/2007	Total	1,500	400	1.04	0.28	1.32
3/20/2007	Total	1,710	460	1.19	0.32	1.51
3/21/2007	Total	1,610	450	1.12	0.31	1.43
3/22/2007	Total	1,650	460	1.15	0.32	1.47
3/23/2007	Total	1,550	440	1.08	0.31	1.38
3/24/2007	Total	1,550	450	1.08	0.31	1.39
3/25/2007	Total	1,390	390	0.97	0.27	1.24
3/26/2007	Total	1,560	450	1.08	0.31	1.40
3/27/2007	Total	1,550	470	1.08	0.33	1.40
3/28/2007	Total	1,650	460	1.15	0.32	1.47
3/29/2007	Total	1,560	460	1.08	0.32	1.40
3/30/2007	Total	1,550	490	1.08	0.34	1.42
3/31/2007	Total	1,530	500	1.06	0.35	1.41
4/1/2007	Total	1,470	460	1.02	0.32	1.34
4/2/2007	Total	1,380	440	0.96	0.31	1.26
4/3/2007	Total	1,550	470	1.08	0.33	1.40
4/4/2007	Total	1,490	470	1.03	0.33	1.36
4/5/2007	Total	1,560	470	1.08	0.33	1.41
4/6/2007	Total	1,560	460	1.08	0.32	1.40
4/7/2007	Total	1,580	440	1.10	0.31	1.40
4/8/2007	Total	1,450	430	1.01	0.30	1.31
4/9/2007	Total	1,450	430	1.01	0.30	1.31

AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
4/10/2007	Total	1,480	430	1.03	0.30	1.33
4/11/2007	Total	1,580	450	1.10	0.31	1.41
4/12/2007	Total	1,470	420	1.02	0.29	1.31
4/13/2007	Total	1,470	460	1.02	0.32	1.34
4/14/2007	Total	1,410	440	0.98	0.31	1.28
4/15/2007	Total	1,420	450	0.99	0.31	1.30
4/16/2007	Total	1,380	420	0.96	0.29	1.25
4/17/2007	Total	1,470	450	1.02	0.31	1.33
4/18/2007	Total	1,480	430	1.03	0.30	1.33
4/19/2007	Total	1,480	510	1.03	0.35	1.38
4/20/2007	Total	1,470	500	1.02	0.35	1.37
4/21/2007	Total	1,480	510	1.03	0.35	1.38
4/22/2007	Total	1,310	410	0.91	0.28	1.19
4/23/2007	Total	1,380	430	0.96	0.30	1.26
4/24/2007	Total	1,430	440	0.99	0.31	1.30
4/25/2007	Total	1,270	390	0.88	0.27	1.15
4/26/2007	Total	1,410	430	0.98	0.30	1.28
4/27/2007	Total	1,290	380	0.90	0.26	1.16
4/28/2007	Total	1,300	380	0.90	0.26	1.17
4/29/2007	Total	940	270	0.65	0.19	0.84
4/30/2007	Total	170	50	0.12	0.03	0.15
5/1/2007	Total	5,950	1,850	4.13	1.28	5.42
5/2/2007	Total	10,250	2,910	7.12	2.02	9.14
5/3/2007	Total	10,320	2,880	7.17	2.00	9.17
5/4/2007	Total	10,330	2,860	7.17	1.99	9.16
5/5/2007	Total	10,350	2,840	7.19	1.97	9.16
5/6/2007	Total	10,330	2,870	7.17	1.99	9.17
5/7/2007	Total	10,330	2,860	7.17	1.99	9.16
5/8/2007	Total	10,360	2,890	7.19	2.01	9.20
5/9/2007	Total	10,460	2,900	7.26	2.01	9.28
5/10/2007	Total	10,520	2,910	7.31	2.02	9.33
5/11/2007	Total	10,570	2,900	7.34	2.01	9.35
5/12/2007	Total	10,560	2,940	7.33	2.04	9.38
5/13/2007	Total	10,500	3,300	7.29	2.29	9.58
5/14/2007	Total	10,440	3,290	7.25	2.28	9.53
5/15/2007	Total	9,730	1,950	6.76	1.35	8.11
5/16/2007	Total	10,280	1,060	7.14	0.74	7.88
5/17/2007	Total	10,250	600	7.12	0.42	7.53
5/18/2007	Total	10,200	860	7.08	0.60	7.68
5/19/2007	Total	10,160	2,180	7.06	1.51	8.57
5/20/2007	Total	10,120	2,730	7.03	1.90	8.92
5/21/2007	Total	10,190	2,690	7.08	1.87	8.94
5/22/2007	Total	6,730	1,640	4.67	1.14	5.81
5/23/2007	Total	1,660	0	1.15	0.00	1.15
5/24/2007	Total	2,100	0	1.46	0.00	1.46
5/25/2007	Total	2,160	0	1.50	0.00	1.50
5/26/2007	Total	2,070	0	1.44	0.00	1.44
5/27/2007	Total	1,770	0	1.23	0.00	1.23
5/28/2007	Total	1,770	0	1.23	0.00	1.23
5/29/2007	Total	1,700	0	1.18	0.00	1.18
5/30/2007	Total	1,690	0	1.17	0.00	1.17

AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
5/31/2007	Total	1,790	0	1.24	0.00	1.24
6/1/2007	Total	1,770	0	1.23	0.00	1.23
6/2/2007	Total	1,580	0	1.10	0.00	1.10
6/3/2007	Total	1,660	0	1.15	0.00	1.15
6/4/2007	Total	1,690	0	1.17	0.00	1.17
6/5/2007	Total	1,770	0	1.23	0.00	1.23
6/6/2007	Total	1,610	0	1.12	0.00	1.12
6/7/2007	Total	1,720	0	1.19	0.00	1.19
6/8/2007	Total	1,650	0	1.15	0.00	1.15
6/9/2007	Total	1,670	0	1.16	0.00	1.16
6/10/2007	Total	1,430	0	0.99	0.00	0.99
6/11/2007	Total	1,660	0	1.15	0.00	1.15
6/12/2007	Total	1,670	0	1.16	0.00	1.16
6/13/2007	Total	1,790	0	1.24	0.00	1.24
6/14/2007	Total	1,570	0	1.09	0.00	1.09
6/15/2007	Total	440	0	0.31	0.00	0.31
6/16/2007	Total	1,680	0	1.17	0.00	1.17
6/17/2007	Total	1,460	0	1.01	0.00	1.01
6/18/2007	Total	1,630	0	1.13	0.00	1.13
6/19/2007	Total	1,770	0	1.23	0.00	1.23
6/20/2007	Total	1,900	10	1.32	0.01	1.33
6/21/2007	Total	1,770	0	1.23	0.00	1.23
6/22/2007	Total	1,760	10	1.22	0.01	1.23
6/23/2007	Total	1,680	0	1.17	0.00	1.17
6/24/2007	Total	1,530	0	1.06	0.00	1.06
6/25/2007	Total	1,600	0	1.11	0.00	1.11
6/26/2007	Total	1,430	10	0.99	0.01	1.00
6/27/2007	Total	1,720	10	1.19	0.01	1.20
6/28/2007	Total	1,440	20	1.00	0.01	1.01
6/29/2007	Total	1,490	30	1.03	0.02	1.06
Grand Total		**453,950**	**107,220**	**1.732**	**0.409**	**2.141**