Shaw Environmental, Inc.
13 British American Boulevard
Latham, NY 12110-1405
Phone: 518.783.1996
Fax: 518.783.8397

SEMI-ANNUAL O&M REPORT
REMEDIAL WORK ELEMENTS I, II AND IV
REPORTING PERIOD JANUARY 24 THROUGH JUNE 20, 2006

Malta Rocket Fuel Area Site
Malta, New York

July 17, 2006

Submitted to:

General Electric Company
Corporate Environmental Programs
319 Great Oaks Boulevard, Suite 319
Albany, New York 12203

Submitted by:

Shaw Environmental, Inc.
13 British American Boulevard
Latham, New York 12110

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

Brian Neumann, PG, CPG
Project Manager/System Operator

Marc E. Flanagan
System Operator

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

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

- *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 January 24, 2006 through June 20, 2006.

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 24, February 27, March 21, April 25, May 23, and June 20, 2006.

The groundwater treatment system is comprised of a packed tower air stripper. System influent and effluent samples were collected during the February 27 and May 23, 2006 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 0.507 and 0.841 gallons per minute (gpm), respectively, yielding an average daily combined flow of approximately 1.348 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 2006 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 23, 2006 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 23, 2006. One centrifugal pump was utilized to reduce the level of water in the reservoir to allow Shaw personnel access to the interior. A dedicated suction hose was utilized to avoid possible contamination of the water supply. The reservoir level was reduced by approximately five feet before Shaw personnel entered the interior of the structure. All confined space entry procedures, including air monitoring and the use of retrieval equipment, were followed for the duration of the inspection.

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.

2.2.3 Air Stripper Tower Inspection

Shaw utilized a boom lift bucket truck to access the top section of the air stripper tower on May 25, 2006. 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. Packing was discolored, but 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 January 24, 2006 to June 20, 2006 are as follows:

Well RW-1D: 0.5069 gpm
Well RW-2D: 0.8414 gpm
System Avg: 1.3484 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 1.3484 gpm for the reporting period. The average water flow rate calculated from field observations (1.3484) is the same to the average daily water flow rate calculated from the data logger (1.348), 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 27 and May 23, 2006 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 27 and May 23, 2006 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 during the February event was an estimated concentration of 0.6 µg/l and 0.4 µg/l for the May event. TCE was detected at an estimated concentration of 0.6µg/l within the effluent sample collected during the February monitoring event and 0.3µg/l 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 27, 2006	41	0.6 J	5
	May 23, 2006	38	0.4 J	5
TCE	February 27, 2006	26	0.6 J	5
	May 23, 2006	23	0.3 J	5

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 a concentration of 4.0 µg/l in both the February 27, 2006 and May 23, 2006 air stripper influent samples. Chloroform was detected at an estimated concentration of 0.2 µg/l in the air stripper effluent samples collected on February 27, 2006 and not detected in the May 23, 2006 effluent sample. 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 27, 2006	4.0	0.2 J	70
	May 23, 2006	4.0	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 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 23 and 24, 2006 from the Early Warning Monitoring System (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 27D for chromium and hexavalent chromium and from well 24D 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 2006 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 analyses collected at wells 13D and M-27D show concentrations of 11.0 µg/l and 2.7 µg/l, respectively. Both analytical results were below the New York State Ground Water Standard (NYSGWS) of 50 µg/l.

Analytical results showed no detectable concentrations of hexavalent chromium at the 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 11 µg/l, 76 µg/l (result from dilution), 22 µg/l, 39 µg/l (result from dilution) and 15 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-25D, M-27D M-29D and 11D at concentrations of 8.0 µg/l (result from dilution), 2 µg/l, 5.0 µg/l (result from dilution) and 4 µg/l, respectively. With the exception of an estimated detection of 0.5 µg/l at monitoring well M-24D, 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 and M-29D at concentrations of 28 µg/l (result from dilution), 16 µg/l, and 14 µg/l (result from dilution) respectively. TCE was also detected in monitoring well 11D at estimated concentrations of 1.0 µg/l. Trichlorofluoromethane was detected in monitoring well M-27D at an estimated concentration of 1.0 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, there were no observed concentrations of TCE in 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 groundwater sampling activities and annual environmental easement restriction interviews with property owner representatives during the October semi-annual reporting period with the exception of 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 effluent samples collected for performance monitoring and analyzed during the current period revealed concentrations below project discharge objectives.

5.2 EWMS

Based on the review of the analytical results from water samples collected during this reporting period, groundwater from the MRFA Site is not impacting the Luther Forest well field 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 11D at concentrations of 11 µg/l, 76 µg/l (result from dilution), 22 µg/l, 39 µg/l (result from dilution) and 15 µg/l, respectively. The NYSGWS fro carbon tetrachloride is 5 µg/l. All other water sample locations were non-detect for carbon tetrachloride during the reporting period.
- Chloroform was not detected at any of the wells with the exception of detections at wells M-25D, M-29D, M-27D and M-11D at concentrations of 8 µg/l (result from dilution) and 5 µg/l (result from dilution), 2 µg/l and 4 µg/l, respectively, and an estimated concentration of 0.5 µg/l at monitoring well M-24D. The NYSGWS for chloroform is 7 µg/l.
- TCE was not detected at any of the wells or surface water locations, with the exception of wells M-25D, M-27D and M-29D at concentrations of 28 µg/l (result from dilution), 16 µg/l, and 14 µg/l (result from dilution) respectively, and monitoring well 11D at estimated concentrations of 1.0 µg/l. Trichlorofluoromethane was not detected at any of the wells or surface water locations with the exception of well M-27D with an estimated concentration of 1 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
1/24/06	John Skaarup	Arrival – OK Departure – Not OK	Monthly O&M visit with coliform sampling. System interlock testing performed – RW-2D not OK.
1/25/06	John Skaarup & Anthony Perretta	Arrival - Not OK Departure - OK	Install banjo strainer and associated piping in the RW-2D line. All ok upon departure.
2/27/06	Marc Flanagan	OK	Monthly O&M visit with coliform sampling and system performance samples collected. System interlock testing performed – all OK.
3/21/06	Marc Flanagan	OK	Monthly O&M visit. System interlock testing performed – all OK.
4/25/06	Brian Neumann	OK	Monthly O&M visit. System interlock testing performed – adjusted flow rate in RW-2D. All OK.
5/23/06	Marc Flanagan	OK	Monthly O&M visit with performance sampling. System interlock testing performed – all OK.
5/25/06	Marc Flanagan & Robert Hyde	OK	Check air stripper tower. Media and all air stripper components are all OK.
6/20/06	Marc Flanagan	OK	Monthly O&M visit. System interlock testing performed – all OK.

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

1	2	3			4	5
DATE	TIME	STANDPIPE LEVEL (FT)	LEVEL PROBE OK ?	SAMPLES TAKEN ?	AIR BLOWER PRESSURE OK?	PROBLEMS OR COMMENTS
1/24/2006	11:50	12.75	Yes	No	Yes-3.40	Monthly visit with coliform sampling at NYSERDA Bldg.
2/27/2006	13:52	12 - 13	Yes	Yes	Yes-3.60	Monthly visit with coliform sampling at NYSERDA Bldg. and system samples.
3/21/2006	9:40	12.75	Yes	No	Yes-3.10	Monthly O&M visit.
4/25/2006	13:15	12.75	Yes	No	Yes-3.10	Monthly O&M visit.
5/23/2006	7:05	12.75	Yes	Yes	Yes-3.20	Monthly O&M visit and system sample collection.
6/20/2006	8:45	12.75	Yes	No	Yes-2.80	Monthly O&M visit.

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)	
12/22/2005	9:25	5.4	4,371,700	23	NA	NA	6.2	5,440,600	23	NA	NA	Recorded in previous report, replicated here for calculation purposes.
1/24/2006	11:50	NR	NR	33	NR	NR	NR	NR	33	NR	NR	System modifications completed during this time.
2/27/2006	13:52	6.0	4,434,000	67	62,300	0.65	6.0	5,520,400	67	79,800	0.83	
3/21/2006	9:40	4.0	4,443,000	22	9,000	0.28	8.0	5,550,200	22	29,800	0.94	
4/25/2006	13:15	5.0	4,464,900	35	21,900	0.43	8.0	5,584,100	35	33,900	0.67	
5/23/2006	7:05	5.0	4,487,900	28	23,000	0.57	6.0	5,612,000	28	27,900	0.69	
6/20/2006	8:45	3.0	4,503,100	28	15,200	0.38	6.0	5,658,700	28	46,700	1.16	
Summary				180	131,400	0.5069			180	218,100	0.8414	

NR = Not Recorded
NA = Not Applicable

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

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

Notes:

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

TABLE 5
MAY 2006 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	M-27D	DUP C (27D)	M-27D (MS/MSD)	M-24D	DUP B (24D)	MW-11D	M-29D	4D	14D	DGC-35	DGS-35	M-33I	M-33S
Acetone	50	5 J	NA	5 U	5 J	5 J	5 J	5 J	5 J	5 J	5 J	5 J	5 J	5 J
Carbon Disulfide	None*	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	22	NA	25	11	11	15	39	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	2.0	NA	8	0.5 J	0.5 J	4	5	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5	5 J	NA	5 U	5 J	5 J	5 J	5 J	2 J	2 J	5 J	5 J	5 J	5 J
Trichloroethene	5	16	NA	21	1 U	1 U	1 J	14	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5*	1 J	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	50*	2.7	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Field Parameters														
pH	--	7.98	--	--	6.82	--	5.83	6.47	8.13	8.04	5.67	7.96	9.71	7.85
Temperature (celsius)	--	8.96	--	--	9.67	--	9.61	9.83	8.55	8.52	7.63	10.06	9.32	9.10
Conductivity (umhos/cm)	--	203	--	--	--	--	268	300	197	180	42	296	95	103
Dissolved Oxygen (ug/L)	--	7.84	--	--	11.24	--	8.95	9.97	0.67	11.12	7.11	1.99	7.95	8.48
Turbidity (NTUs)	--	0.6	--	--	0	--	10.90	0	22.70	22.10	50.60	27.40	2.50	0
Depth To Water (feet)	--	37.30	--	--	31.69	--	28.82	45.08	38.25	42.30	12.20	6.95	29.70	12.73
Ground Water Elevation (feet)	--	266.97	--	--	288.88	--	301.73	289.58	289.30	299.07	193.60	198.85	273.99	291.54

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 2006 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	M-25D (DL)	M-13D	Trip Blank
Acetone	50	49 J	NA	4 J
Carbon Disulfide	None*	5 U	NA	1 U
Carbon Tetrachloride	5	76	NA	1 U
Chloroform	7	8	NA	4 U
2-Butanone	5	25	NA	5 UJ
Trichloroethene	5	28	NA	1 U
Trichlorofluoromethane	50*	5 U	NA	1 U
Chromium	50*	NA	11	NA
Hexavalent Chromium	50*	NA	10 U	NA
Field Parameters				
pH	--	6.38	8.17	--
Temperature (celsius)	--	9.31	9.38	--
Conductivity (umhos/cm)	--	266	196	--
Dissolved Oxygen	--	5.07	1.25	--
Turbidity (NTUs)	--	0.6	18.6	--
Depth To Water (feet)	--	29.42	35.7	--
Ground Water Elevation (feet)	--	285.04	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 2006
SEMI-ANNUAL SAMPLING

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

Notes:

Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
dp = Duplicate sample.
E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in December, 1990.
* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.
** = Filtered Sample.
See RI report for additional data.

TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S
JUNE 1987 - MAY 2006
SEMI-ANNUAL SAMPLING

Wells / Compounds DGC-3S	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
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 2006
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action	11/18-	3/17-	5/25-	8/24-	11/8-	2/22-	5/18-	8/24-	11/15-		
DGC-3S	**Objective**	**11/19/1992**	**3/18/1993**	**5/26/1993**	**8/25/1993**	**11/9/1993**	**2/23/1994**	**5/19/1994**	**8/25/1994**	**11/16/1994**	**5/23/1995**	**10/17/1995**
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND V	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	0.8	ND	ND	ND V	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	33.6/ND*	18.5	4.3 B	4.7B	19.4	23.9	4.5 B	9.9 B	11.1	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None*	4 V	ND	0.3 J	0.2J	ND	ND	ND V/ND V dp	ND	ND	ND	ND
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.

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 2006
SEMI-ANNUAL SAMPLING

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

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 2006
SEMI-ANNUAL SAMPLING

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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not sampled.

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

dp = Duplicate sample.

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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

** = Filtered Sample.

See RI report for additional data.

TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - MAY 2006
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 2006
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
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
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
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
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
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
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
Chloromethane	5	ND	ND / ND dp	ND / ND dp	ND	ND	ND	ND	ND ND dp	ND	ND ND dp	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
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
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
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
M-33S															
VOCs	-	ND	ND	ND	8.0 J	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

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.

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

** = Filtered Sample.

TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 - MAY 2006
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
4D							
Acetone	50	ND	ND R	ND	ND	ND	5J
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
11D							
Acetone	50	ND	ND R	ND	ND	ND	5J
Carbon Tetrachloride	5	ND	6	4.6	13	14	15
Chloroform	7	ND	3	ND	4.0	3.0	4.0
Trichloroethene	5	9J	7	ND	0.8 J	0.9J	1 J
M-24D							
Acetone	50	ND	ND R	ND	ND	ND	5J
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10	11
Chloroform	7	ND	ND	ND	0.6 J	0.5J	0.5 J
Trichloroethene	5	ND	ND	ND	ND	ND	ND
M-25D							
Acetone	50	ND	ND R	ND	ND	ND	49 J
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91	76
Chloroform	7	ND	3R	8.7	8.0	9.0	8.0
Trichloroethene	5	3J	8R	16.1	35 D	37	28
M-29D							
Acetone	50	ND	ND R	ND	ND	ND	5 J
Carbon Tetrachloride	5	79	84	10.8	38 D	37	39
Chloroform	7	ND	14	ND	4.0	5.0	5.0
Trichloroethene	5	19	24	6.0	14	13	14
13D							
Chromium	50*	98.4	38.9 J	4.5 B	78.3	60.8 J	11
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U	10 U

Notes:

Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
See Remedial Investigation report for additional da
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CRI
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	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE
810066D3			S. SHKOLNIK 07-14-06	ALBANY, NY

ROUTE 9P

COLD SPRINGS WELLS

CRAMER ROAD

SW-E

SW-F

SW-G

7

8

6a

6b

COLD SPRINGS ROAD

N

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

4S/4D

MW-4

M-18

M-30

M-1/14D

M-32

M-29S/29D

M-17

2S

M-19

MW-3

RW-1D

M-16

MW-2

M-35S/35I

M-23

RW-2D

M-25S/25D

10S/10D

13S/13D

3S/3D

PLAINS ROAD

1a

1b

M-27S/27D

SW-D

2b

2c

SW-B

SW-A

DGC-3S

DGC-4S

PW-4

PW-3

PW-2

PW-1

PW-6

KNAPP ROAD

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
- APPROXIMATE ONE MILE EASEMENT 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

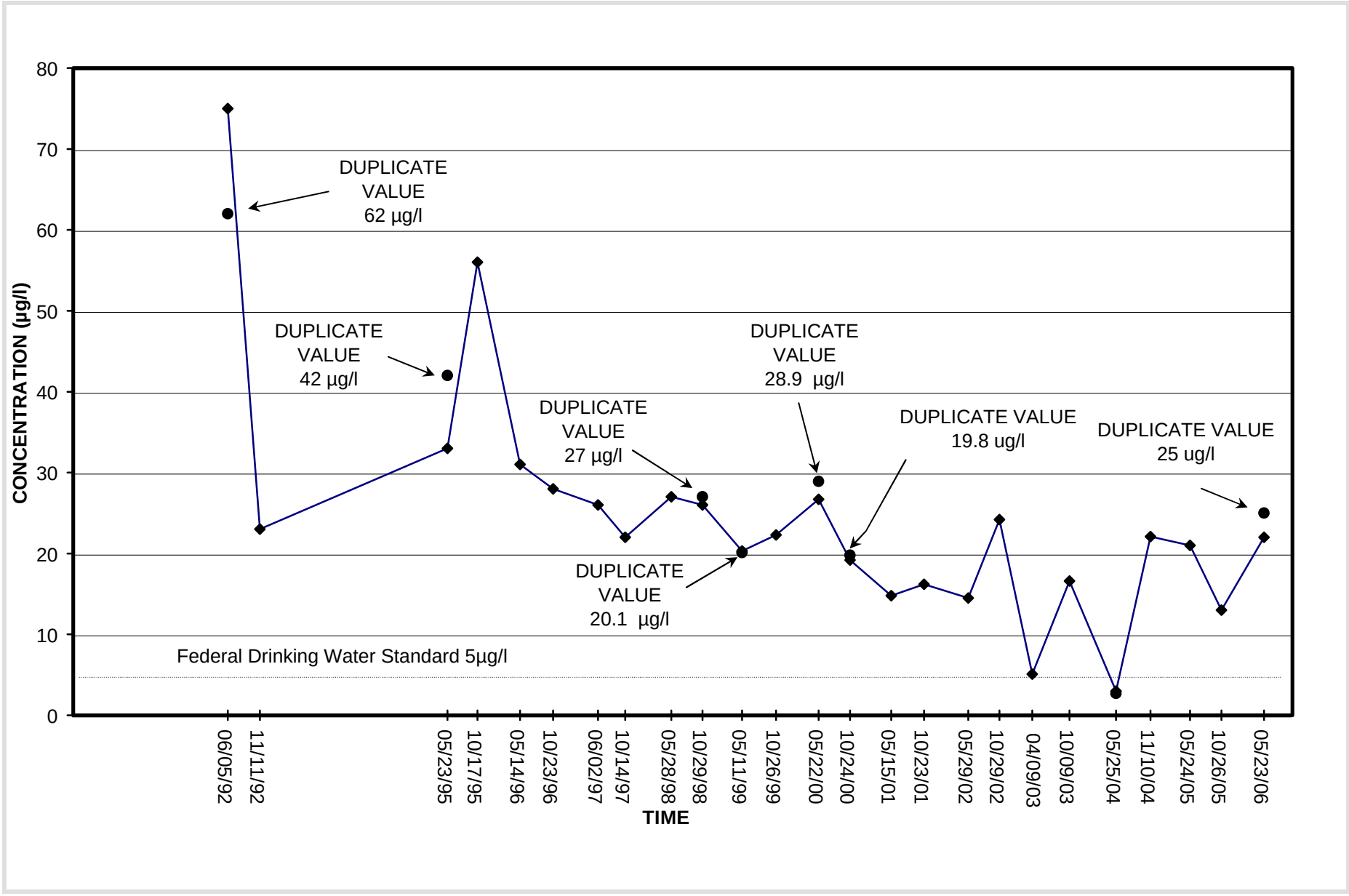
Shaw
Shaw Environmental, Inc.

MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 1
SITE LOCATION MAP

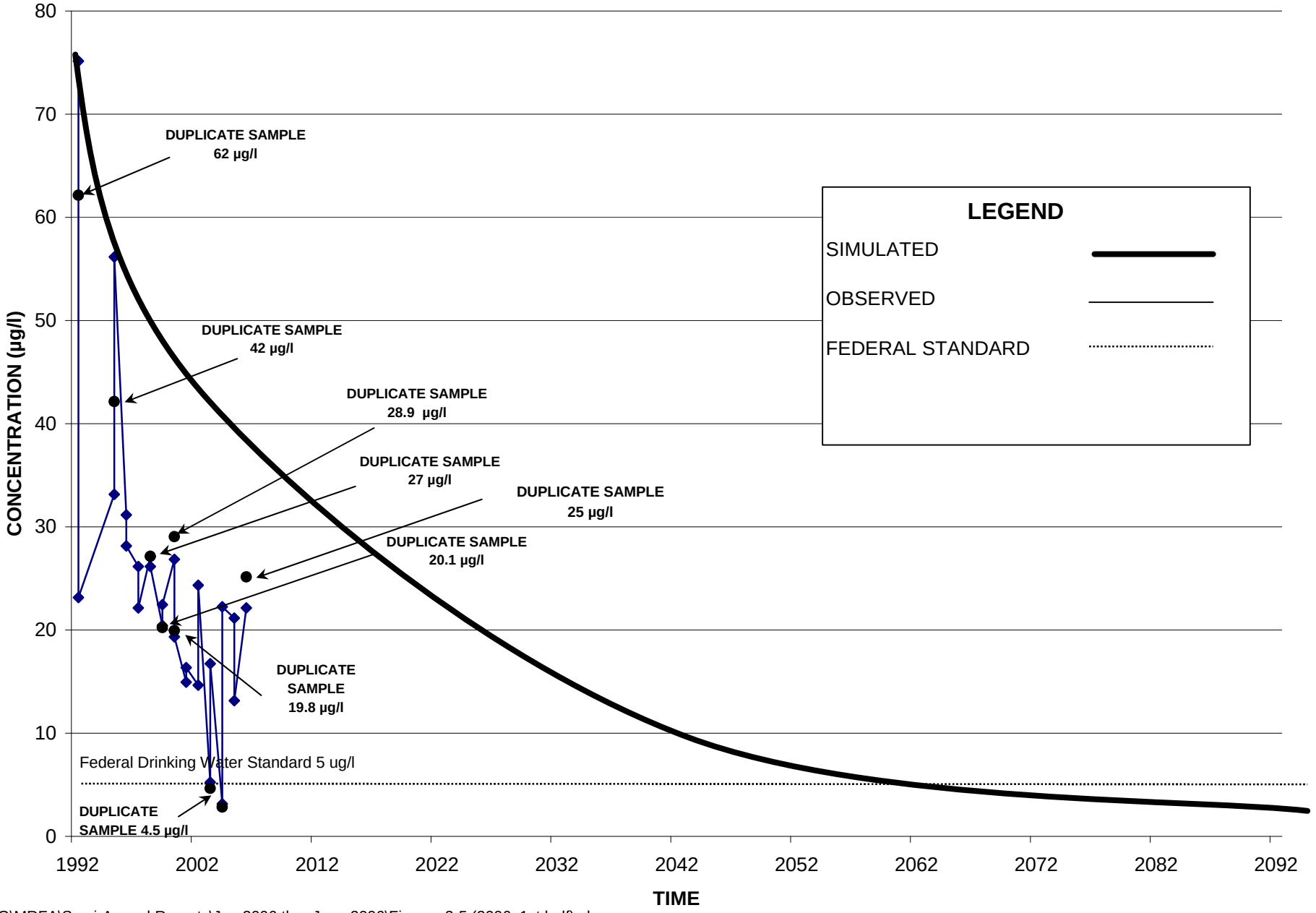
L:\project\MRFA\810066D3.dwg
Plot Date/Time: 07/14/06 10:39am
Format Revised: 11/23/99
Image: .
Xref: .

FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS



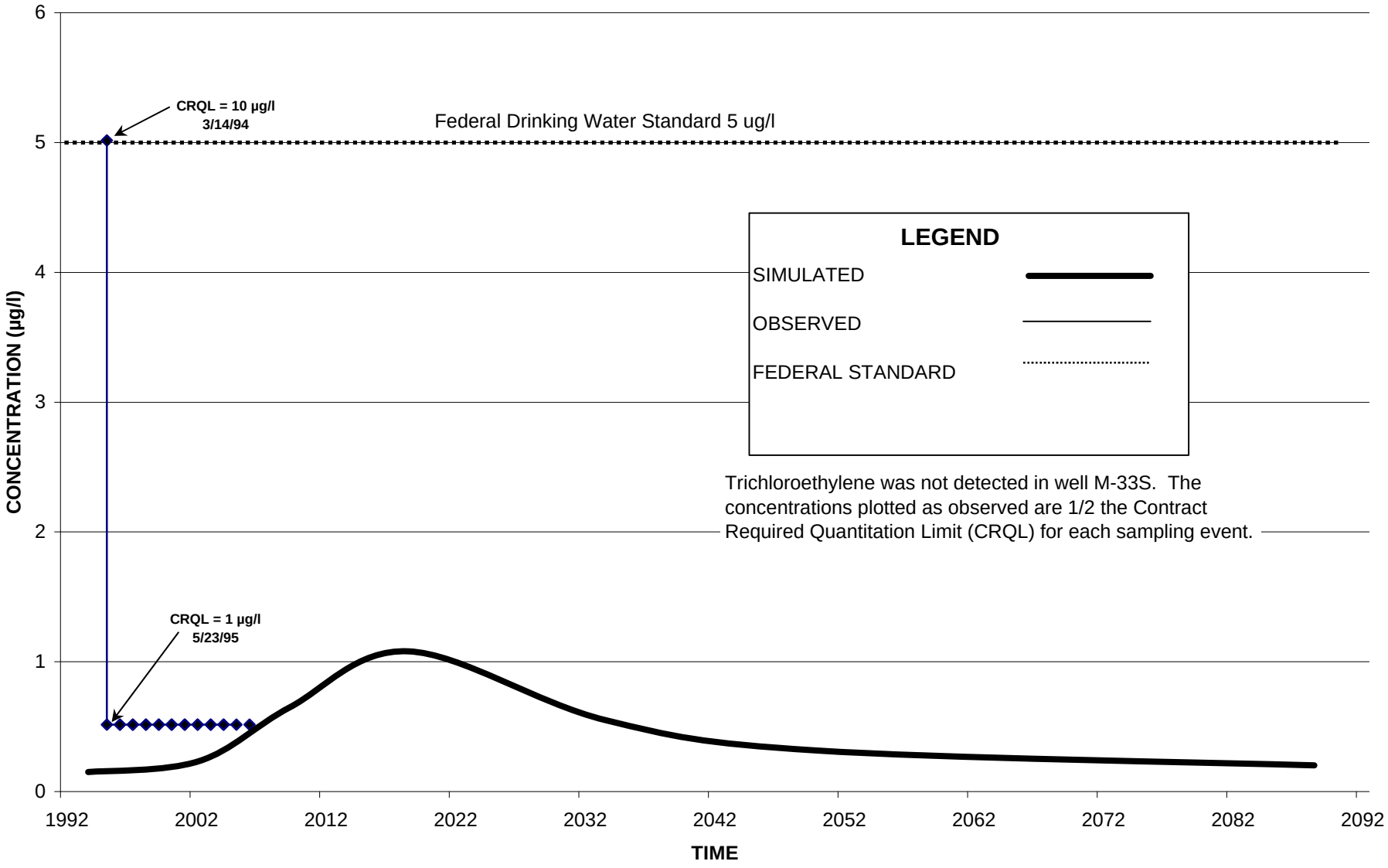
X:\MG\MRFA\Semi-Annual Reports\Jan 2006 thru June 2006\Figures 2-5 (2006_1st half).xls

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



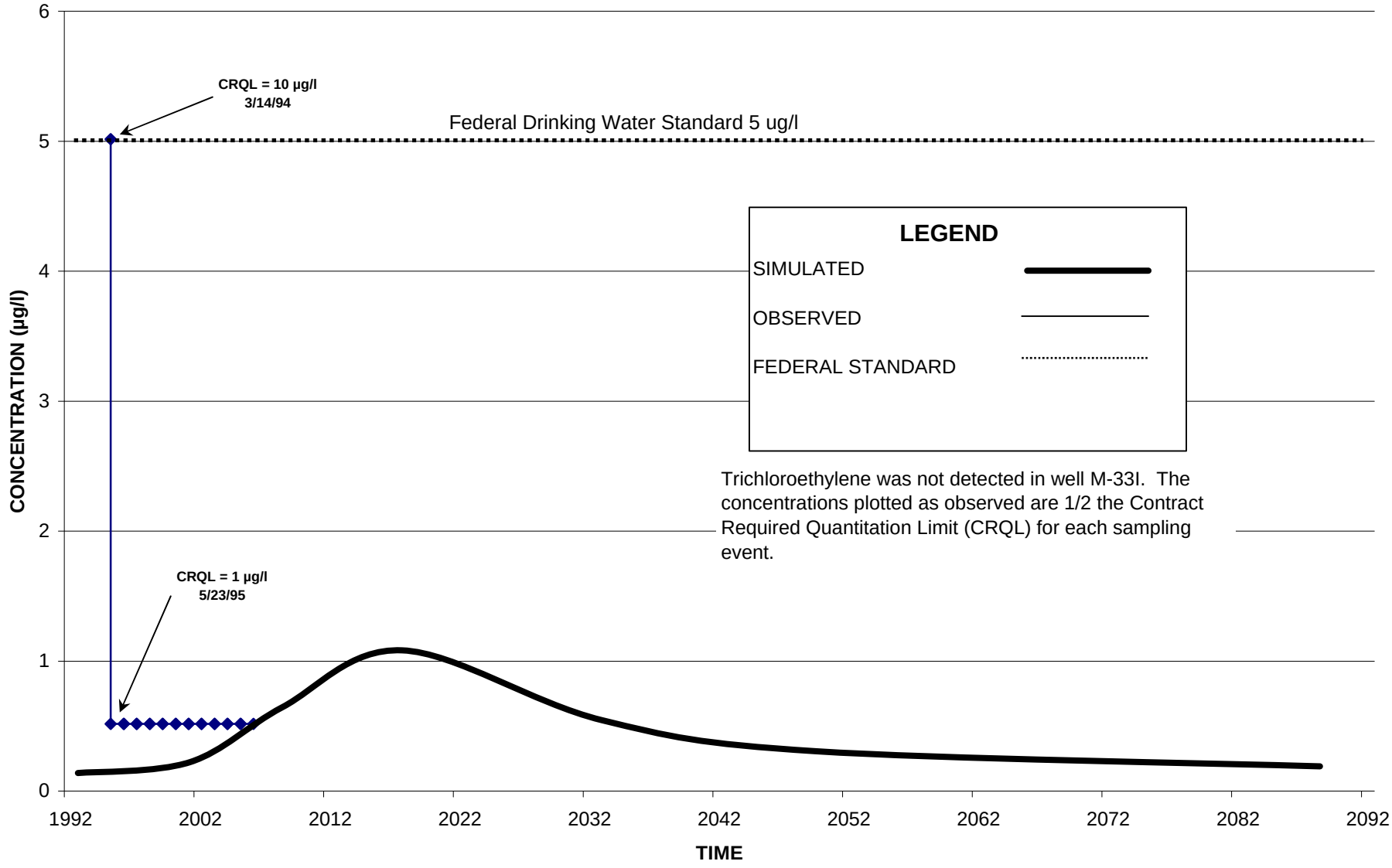
X:\MG\MRFA\Semi-Annual Reports\Jan 2006 thru June 2006\Figures 2-5 (2006_1st half).xls

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



X:\MG\MRFA\Semi-Annual Reports\Jan 2006 thru June 2006\Figures 2-5 (2006_1st half).xls

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



X:\MG\MRFA\Semi-Annual Reports\Jan 2006 thru June 2006\Figures 2-5 (2006_1st half).xls

APPENDIX A

LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES

FEBRUARY 27, 2006

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

Columbia Analytical Services INC.
An Employee - Owned Company

April 14, 2006

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

Re: MRFA
Submission # R2630515
SDG # MRFA Duplicate

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of three samples, one trip blank and one cooler blank were received by our laboratory on February 28, 2006.

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

Amy Hentschel 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

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 # : R2630515
Project Manager : Janice Jaeger
Reported : 03/31/06

Report Contains a total of 43 pages

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

CASE NARRATIVE

COMPANY: Shaw Environmental
MRFA Project #810066
SUBMISSION #: R2630515

Shaw water samples were collected on 02/27/06 and received at CAS on 02/28/06 in good condition at a cooler temperature of 1°C.

VOLATILE ORGANICS

Three water samples, one cooler blank, and one trip blank were analyzed for a site-specific list of Volatiles by method OLC 2.1.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within limits.

All surrogate standard recoveries were within limits.

All samples were analyzed within required holding times.

Several samples had hits which were outside the calibration range of the instrument and are flagged with an "E". The samples were reanalyzed at dilutions and both set of samples are reported. All compounds identified in the dilution have been flagged as "D".

A Library Search against the NIST/EPA library was conducted on the samples and blanks. The 20 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest internal standard and are reported flagged with a "J" as estimated. The flag on a TIC compound indicates presumptive evidence of a particular compound.

Site-specific QC was performed on the Influent. All MS/MSD recoveries were within limits. All Blank Spike recoveries were within limits. All RPD's were within limits.

All results between the MDL and PQL have been flagged with a "J" as estimated.

The Laboratory Blanks, trip blank, and cooler blank associated with these samples were free of contamination.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in the hard copy package has been authorized by the Laboratory Manager or his designee, as verified by the following signature;

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#:MRFA DUPLICATE	BATCH COMPLETE: yes	DATE REVISED:
SUBMISSION R2630515	DISKETTE REQUESTED: Y_x__ N____	DATE DUE: 03/28/06
CLIENT: Shaw Environmental	DATE: 03/01/06	PROTOCOL:ASPB
CLIENT REP: Janice Jaeger	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:
PROJECT: GE MRFA PROJECT #810	CHAIN OF CUSTODY: PRESENT/ABSENT:	SUMMARY PKG: Y__x__ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITIO
885141	MRFA DUPLICATE	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			
885142	MRFA EFFLUENT	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			
885143	MRFA INFLUENT	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			
885144	TRIP BLANK	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			
885145	COOLER BLANK	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			

3

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

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.

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 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

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 Registration 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: Steven Meier, Judy Harry
Company/Address: Shaw Environmental, Inc. 13 British American Blvd. Latham, NY 12110	
Phone #: (518) 783-1996	FAX#: (518)
Sampler's Signature: Marc Flanagan	Sampler's Printed Name:

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1 | | 1 | | | | | 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)	Coliform							REMARKS/ ALTERNATE DESCRIPTION
MRFA Duplicate	885141	2/27/06		GW	3			X												
MRFA Woman's Room Sink			1352		2								X							
MRFA Effluent	885142		1510		3			X												
MRFA Influent	885143		1505		3			X												
MRFA Influent (MS)			1505		3			X												
MRFA Influent (MSD)			1505		3			X												
Trip Blank	885144				3			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
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
R2598504
SUBMISSION #: K0630515

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 12C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Marc Flanagan	Printed Name: Gregory O. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 2/27/06 1700	Date/Time: 2-28-06 9:55	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 R2603515

Cooler received on 2-28-06 by: KE 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:	1c				
	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: 2-28-06 @ 10:06

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: VMV 2/28/06

Cooler Breakdown: Date: 2/28/06 by: CMK

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
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

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

**If pH adjustment is required, use NaOH and/or H_2SO_4.

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

Other Comments:

PC Secondary Review: VMV 03/01/06

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885141 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6332.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	4	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	39 ~~41~~	~~E~~
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	25 ~~26~~	~~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

DUPLICATE

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885141 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6332.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. _____ Date Analyzed: 03/10/06

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.

DUPLICATE

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885141 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6332.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. _____ Date Analyzed: 03/10/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATEDL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885141 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6337.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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 (MEK)	10	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	4	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon tetrachloride	39	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	25	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

DUPLICATEDL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885141 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6337.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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
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.

DUPLICATEDL

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885141 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6337.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885142 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6331.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	0.2	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	0.6	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.6	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885142 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6331.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885142 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6331.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. _____ Date Analyzed: 03/10/06

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	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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885143 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6336.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	4	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	41 ~~41~~	~~E~~
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	26 ~~26~~	~~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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885143 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6336.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885143 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6336.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. _____ Date Analyzed: 03/10/06

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	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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885143 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6338.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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 (MEK)	10	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	4	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon tetrachloride	41	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	26	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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885143 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6338.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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
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.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885143 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6338.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. _____ Date Analyzed: 03/10/06

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	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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885144 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6333.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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 (MEK)	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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885144 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6333.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885144 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6333.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885145 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6342.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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	UJ
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 (MEK)	5	UJ
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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885145 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6342.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 885145 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6342.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. _____ Date Analyzed: 03/10/06

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	RT	EST. CONC.	Q

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	LCS01	100	0
02	VBLK01	106	0
03	EFFLUENT	105	0
04	DUPLICATE	107	0
05	TRIP BLANK	103	0
06	INFLUENT	100	0
07	DUPLICATEDL	102	0
08	INFLUENTDL	98	0
09	INFLUENTDLMS	101	0
10	INFLUENTDLMSD	96	0
11	COOLER BLANK	103	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.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

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	4.5	90	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	60 - 140
Carbon tetrachloride	5.0	0.0	4.8	96	60 - 140
Benzene	5.0	0.0	5.1	102	60 - 140
Trichloroethene	5.0	0.0	5.1	102	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.2	104	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.0	100	60 - 140
Tetrachloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dibromoethane	5.0	0.0	5.5	110	60 - 140
Bromoform	5.0	0.0	5.2	104	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892184 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6326.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/10/06

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	4	
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 (MEK)	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	6	
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	6	
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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892184 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6326.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/10/06

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.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Matrix Spike - EPA Sample No.: INFLUENTDL

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	10	0.0	9.3	93	60 - 140
1,2-Dichloroethane	10	0.0	10	100	60 - 140
Carbon tetrachloride	10	41	49	83	60 - 140
Benzene	10	0.0	10	100	60 - 140
Trichloroethene	10	26	35	94	60 - 140
1,2-Dichloropropane	10	0.0	9.8	98	60 - 140
cis-1,3-Dichloropropene	10	0.0	10	100	60 - 140
1,1,2-Trichloroethane	10	0.0	10	100	60 - 140
Tetrachloroethene	10	0.0	10	100	60 - 140
1,2-Dibromoethane	10	0.0	10	100	60 - 140
Bromoform	10	0.0	10	100	60 - 140
1,4-Dichlorobenzene	10	0.0	10	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	10	9.4	94	1	30	60 - 140
1,2-Dichloroethane	10	9.4	94	6	30	60 - 140
Carbon tetrachloride	10	49	80	0	30	60 - 140
Benzene	10	9.9	99	1	30	60 - 140
Trichloroethene	10	36	100	11	30	60 - 140
1,2-Dichloropropane	10	10	100	2	30	60 - 140
cis-1,3-Dichloropropene	10	9.9	99	1	30	60 - 140
1,1,2-Trichloroethane	10	9.7	97	3	30	60 - 140
Tetrachloroethene	10	10	100	0	30	60 - 140
1,2-Dibromoethane	10	10	100	0	30	60 - 140
Bromoform	10	9.5	95	5	30	60 - 140
1,4-Dichlorobenzene	10	10	100	0	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDLMS

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892185 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6339.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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	9	D
75-01-4	Vinyl Chloride	9	D
74-83-9	Bromomethane	8	D
75-00-3	Chloroethane	10	D
75-69-4	Trichlorofluoromethane	10	D
75-35-4	1,1-Dichloroethene	11	D
67-64-1	Acetone	6	JD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	10	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	10	D
78-93-3	2-Butanone (MEK)	10	U
74-97-5	Bromochloromethane	10	D
67-66-3	Chloroform	14	D
107-06-2	1,2-Dichloroethane	10	D
71-55-6	1,1,1-Trichloroethane	10	D
56-23-5	Carbon tetrachloride	49	D
71-43-2	Benzene	10	D
79-01-6	Trichloroethene	35	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	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	10	D
1330-20-7	(m+p) Xylene	21	D
1330-20-7	o-Xylene	10	D
100-42-5	Styrene	10	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDLMS

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892185 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6339.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDLMSD

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892186 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6340.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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	9	D
75-01-4	Vinyl Chloride	9	D
74-83-9	Bromomethane	8	D
75-00-3	Chloroethane	9	D
75-69-4	Trichlorofluoromethane	9	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	10	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	10	D
78-93-3	2-Butanone (MEK)	10	U
74-97-5	Bromochloromethane	10	D
67-66-3	Chloroform	14	D
107-06-2	1,2-Dichloroethane	9	D
71-55-6	1,1,1-Trichloroethane	10	D
56-23-5	Carbon tetrachloride	49	D
71-43-2	Benzene	10	D
79-01-6	Trichloroethene	36	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	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	11	D
100-41-4	Ethylbenzene	11	D
1330-20-7	(m+p) Xylene	20	D
1330-20-7	o-Xylene	10	D
100-42-5	Styrene	10	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDLMSD

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892186 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6340.D

Level: (low/med) LOW Date Received: 02/28/06

% Moisture: not dec. Date Analyzed: 03/10/06

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	10	D
95-50-1	1,2-Dichlorobenzene	11	D
96-12-8	1,2-Dibromo-3-chloropropane	9	D
120-82-1	1,2,4-Trichlorobenzene	10	D
87-68-3	Hexachlorobutadiene	11	D
87-61-6	1,2,3-Trichlorobenzene	11	D

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Lab File ID: T6328.D Lab Sample ID: 892183 1.0

Date Analyzed: 03/10/06 Time Analyzed: 11:26

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	892184 1.0	T6326.D	10:13
02	EFFLUENT	885142 1.0	T6331.D	13:19
03	DUPLICATE	885141 1.0	T6332.D	13:56
04	TRIP BLANK	885144 1.0	T6333.D	14:33
05	INFLUENT	885143 1.0	T6336.D	16:25
06	DUPLICATEDL	885141 2.0	T6337.D	17:02
07	INFLUENTDL	885143 2.0	T6338.D	17:39
08	INFLUENTDLMS	892185 2.0	T6339.D	18:16
09	INFLUENTDLMSD	892186 2.0	T6340.D	18:53
10	COOLER BLANK	885145 1.0	T6342.D	20:07

COMMENTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892183 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6328.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/10/06

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 (MEK)	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.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892183 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6328.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/10/06

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.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Matrix: (soil/water) WATER Lab Sample ID: 892183 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T6328.D

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

% Moisture: not dec. _____ Date Analyzed: 03/10/06

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	RT	EST. CONC.	Q

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Lab File ID: T6314.D BFB Injection Date: 03/09/06

Instrument ID: GCMS#6 BFB Injection Time: 14:31

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	19.1
75	30.0 - 66.0% of mass 95	54.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 120.0% of mass 95	88.0
175	4.0 - 9.0% of mass 174	6.8 (7.7)1
176	93.0 - 101.0% of mass 174	85.4 (97.0)1
177	5.0 - 9.0% of mass 176	5.0 (5.9)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	VSTD001/025	VSTD001/005	T6316.D	03/09/06	17:01
02	VSTD002/010	VSTD002/010	T6317.D	03/09/06	17:39
03	VSTD005/025	VSTD005/025	T6318.D	03/09/06	18:16
04	VSTD010/025	VSTD010/050	T6319.D	03/09/06	18:59
05	VSTD025/125	VSTD025/125	T6320.D	03/09/06	19:36

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: _____ SDG No.: MRFA DUPLICATE

Lab File ID: T6324.D BFB Injection Date: 03/10/06

Instrument ID: GCMS#6 BFB Injection Time: 08:53

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	22.4
75	30.0 - 66.0% of mass 95	52.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.3 (0.3)1
174	50.0 - 120.0% of mass 95	91.5
175	4.0 - 9.0% of mass 174	7.2 (7.9)1
176	93.0 - 101.0% of mass 174	89.4 (97.7)1
177	5.0 - 9.0% of mass 176	6.5 (7.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD	VSTD	T6325.D	03/10/06	09:31
02	LCS01	892184 1.0	T6326.D	03/10/06	10:13
03	VBLK01	892183 1.0	T6328.D	03/10/06	11:26
04	EFFLUENT	885142 1.0	T6331.D	03/10/06	13:19
05	DUPLICATE	885141 1.0	T6332.D	03/10/06	13:56
06	TRIP BLANK	885144 1.0	T6333.D	03/10/06	14:33
07	INFLUENT	885143 1.0	T6336.D	03/10/06	16:25
08	DUPLICATEDL	885141 2.0	T6337.D	03/10/06	17:02
09	INFLUENTDL	885143 2.0	T6338.D	03/10/06	17:39
10	INFLUENTDLMS	892185 2.0	T6339.D	03/10/06	18:16
11	INFLUENTDLMS	892186 2.0	T6340.D	03/10/06	18:53
12	COOLER BLANK	885145 1.0	T6342.D	03/10/06	20:07

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R6-30515 SAS No.: SDG No.: MRFA DUPLICATE

Lab File ID (Standard): T6325.D Date Analyzed: 03/10/06

Instrument ID: GCMS#6 Time Analyzed: 09:31

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

		IS1 AREA	#	IS1 RT	#	IS2 AREA	#	IS2 RT	#	IS3 AREA	#	IS3 RT	#
	12 HOUR STD	508784		7.08		441548		9.75		228290		11.32	
	UPPER LIMIT	1017568		6.58		883096		9.25		456580		10.82	
	LOWER LIMIT	254392		7.58		220774		10.25		114145		11.82	
	EPA SAMPLE NO.												
01	LCS01	530791		7.08		444897		9.75		237715		11.32	
02	VBLK01	513458		7.08		438510		9.75		219145		11.32	
03	EFFLUENT	507076		7.08		444625		9.75		219472		11.32	
04	DUPLICATE	502090		7.08		430829		9.75		216660		11.32	
05	TRIP BLANK	505567		7.08		425634		9.75		211070		11.31	
06	INFLUENT	508521		7.08		428802		9.75		209621		11.31	
07	DUPLICATEDL	491417		7.08		425838		9.75		213661		11.31	
08	INFLUENTDL	492172		7.08		405793		9.75		205286		11.32	
09	INFLUENTDLMS	498705		7.08		429812		9.75		225503		11.32	
10	INFLUENTDLMSD	513010		7.08		429647		9.75		223173		11.32	
11	COOLER BLANK	494529		7.08		424756		9.75		213102		11.32	

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of contract required QC limits

APPENDIX B

LABORATORY DATA, GROUNDWATER SAMPLES (MAY 23 AND 24, 2006) AND LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES (MAY 23, 2006)

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 27, 2006

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

Re: GE MRFA Project #810066
Submission # R2631842
SDG # 4D

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of nineteen samples were received by our laboratory on May 24-25, 2006.

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 # : R2631842
Project Manager : Janice Jaeger
Reported : 06/26/06

Report Contains a total of 113 pages

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

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

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.

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 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

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 Registration 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
- "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 Registration 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 2

SR #

CAS Contact

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

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

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS 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)	Cr	Cr+6	VOCs EPA OLC 03					REMARKS/ ALTERNATE DESCRIPTION
4D		5-23-06	1435	GW											X					Petro Odor
27D			1400		5								X	X	X					
27D MS			1405		3										X					
27D MS/MSD			1407		5								X	X	X					
13D			1300		2								X	X						
14D			1140		3										X					
MRFA Influent			745		3										X					
MRFA Influent (MS)			747		3										X					
MRFA Influent (MSD)			749		3										X					
MRFA Dup A					3										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
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:
SUBMISSION #:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature Amy Hentschke	Signature	Signature	Signature	Signature
Printed Name Marc Flanagan	Printed Name CAS	Printed Name	Printed Name	Printed Name	Printed Name
Firm Shaw	Firm 5/24/06 1007	Firm	Firm	Firm	Firm
Date/Time 5/23/06 1630	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

SCOC-1102-08

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 2 OF 2

SR #

CAS Contact

Project Name: SAME	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

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)	VOC 624 2.1	Cr	Cr+6	REMARKS/ ALTERNATE DESCRIPTION
MRFA Effluent		5/23/06	755	GW	3								X			
Trip Blank		↓		↓	3								X			
DUPC		5/23/06												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

DUPC as added as per Marc Flanagan JMS 5/24/06

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:
SUBMISSION #:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature Amy Hentschke	Signature	Signature	Signature	Signature
Printed Name Marc Flanagan	Printed Name CAS	Printed Name	Printed Name	Printed Name	Printed Name
Firm Shaw	Firm 5/24/06 1007	Firm	Firm	Firm	Firm
Date/Time 5/23/06 1630	Date/Time	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 MRFA - Shaw Submission Number 226318472

Cooler received on 5/24/06 by: AM COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

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

Date/Time Temperatures Taken: 5/24/06 1021

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: AM 5/24/06

Cooler Breakdown: Date: 5/24/06 by: CMK

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
pH	Reagent					
12	NaOH					
2	HNO_3	✓				
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

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

**If pH adjustment is required, use NaOH and/or H_2SO_4.

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

Other Comments:

PC Secondary Review: AM 05/26/06

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: MREA	Project Number: 810066
Project Manager: Brian Neuman	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: Mare 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)	VOC EPA OLC-02	REMARKS/ ALTERNATE DESCRIPTION
DGC-3S		5-24-06	820	GW	3								X	
DGC-4S			740											
M-33I			930											
M-33S			940											
M-24D			1010											
M-11D			1030											
M-29D			1100											
M-25D			1130											
Dup B			-											
Trip Blank														

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
_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:
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:	Signature:	Signature:	Signature:	Signature:
Printed Name: M Flanagan	Printed Name: Gregory D. Esmerian	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: CO Shaw	Firm: CAS	Firm:	Firm:	Firm:	Firm:
Date/Time: 5/24/06 1500	Date/Time: 5-25-06 9:45	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 _____.

Cooler received on 5-25-06 by: KE COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

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

Date/Time Temperatures Taken: 5-25-06 @ 10:02

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 5/25/06

Cooler Breakdown: Date: 5/25/06 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
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

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

**If pH adjustment is required, use NaOH and/or H_2SO_4.

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

Other Comments:

PC Secondary Review: JMS 05/26/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907743 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7849.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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 (MEK)	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.

4D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907743 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7849.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907743 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7849.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907746 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7850.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	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 (MEK)	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	22	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	16	
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.

27D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907746 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7850.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

27D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907746 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7850.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907760 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7851.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	UJ
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 (MEK)	5	UJ
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: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907760 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7851.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

14D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907760 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7851.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLUENT

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907761 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7875.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	4	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	38 ~~37~~	~~E~~
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	23	
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	0.3	J
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 INFLUENT

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907761 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7875.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA INFLUENT

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907761 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7875.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLUENTDL

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907761 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7877.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	17	D
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 (MEK)	10	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	4	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon tetrachloride	38	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	22	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.

MRFA INFLUENTDL

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907761 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7877.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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 INFLUENTDL

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907761 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7877.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA DUP A

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907762 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7852.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	20	UJ
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 (MEK)	5	UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	0.3	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	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 DUP A

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907762 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7852.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA DUP A

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907762 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7852.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA EFFLUENT

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907763 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7853.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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 (MEK)	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	0.4	J
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA EFFLUENT

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907763 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7853.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MRFA EFFLUENT

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907763 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7853.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907764 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7854.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	4	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 (MEK)	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: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907764 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7854.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907764 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7854.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907765 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7882.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	UJ
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 (MEK)	5	UJ
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: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907765 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7882.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 907765 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7882.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908114 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7856.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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 (MEK)	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: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908114 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7856.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908114 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7856.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908115 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7857.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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 (MEK)	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: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908115 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7857.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908115 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7857.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33I

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908116 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7858.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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 (MEK)	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-33I

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908116 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7858.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33I

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908116 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7858.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908117 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7859.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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 (MEK)	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-33S

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908117 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7859.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33S

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908117 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7859.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908118 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7860.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	0.5	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	11	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908118 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7860.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-24D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908118 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7860.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-11D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908119 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7861.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	4	
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	1	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	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-11D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908119 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7861.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-11D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908119 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7861.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908120 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7871.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/02/06

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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	4	
56-23-5	Carbon tetrachloride	39 ~~41~~	E
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	14	
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-29D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908120 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7871.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/02/06

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-29D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908120 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7871.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29DDL

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908120 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7874.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	16	D
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 (MEK)	10	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	5	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	4	D
56-23-5	Carbon tetrachloride	39	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	14	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.

M-29DDL

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908120 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7874.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/02/06

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.

M-29DDL

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908120 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7874.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/02/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908121 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7855.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 DL 6/21/06

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	49	UJ
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone (MEK)	25	UJ
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	8	
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	76	
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	28	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	(m+p) Xylene	5	U
1330-20-7	o-Xylene	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
75-25-2	Bromoform	5	U
541-73-1	1,3-Dichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908121 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7855.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/01/06

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 DL 6/21/06

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U J
120-82-1	1,2,4-Trichlorobenzene	5	U J
87-68-3	Hexachlorobutadiene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908121 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7855.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

GC Column: CA-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 DL 6/21/06

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP B

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908122 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7873.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	UJ
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 (MEK)	5	UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	0.5	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	11	
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.

DUP B

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908122 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7873.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/02/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP B

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908122 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7873.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/02/06

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	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908123 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7872.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/02/06

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 (MEK)	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.

TRIP BLANK

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908123 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7872.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. Date Analyzed: 06/02/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 908123 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7872.D

Level: (low/med) LOW Date Received: 05/25/06

% Moisture: not dec. _____ Date Analyzed: 06/02/06

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	RT	EST. CONC.	Q

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

	EPA SAMPLE NO.	SMC1 #	TOT OUT	
01	LCS01	102	0	
02	VBLK01	97	0	
03	4D	96	0	
04	27D	96	0	
05	14D	94	0	
06	MRFA DUP A	96	0	
07	MRFA EFFLUENT	93	0	
08	TRIP BLANK	96	0	
09	M-25D	92	0	
10	DGC-3S	95	0	
11	DGC-4S	98	0	
12	M-33I	90	0	
13	M-33S	97	0	
14	M-24D	96	0	
15	M-11D	97	0	
16	27DMS	99	0	
17	27DMSD	99	0	
18	LCS02	94	0	
19	VBLK02	90	0	
20	M-29D	87	0	
21	TRIP BLANK	87	0	
22	DUP B	92	0	
23	M-29DDL	89	0	
24	MRFA INFLUE·	90	0	·NT
25	MRFA INFLUE·	92	0	·NTDL
26	MRFA INFLUE·	96	0	·NTDLMS
27	MRFA INFLUE·	96	0	·NTDLMSD
28	COOLER BLANK	91	0	

			QC LIMITS
SMC1	=	4-Bromofluorobenzene	(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

METALS
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Contract: R2631842 SDG No.: 4D

Lab Code: Case No.: SAS No.:

SOW No.: CLP ILM4.1 Client: Shaw Environmental

Sample No.	Lab Sample ID.
27D	907746
27DD	907746D
27DS	907746S
13D	907751
DUP C	907766

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.

Signature: Michael K. Perry Name: Michael K. Perry

Date: 6/27/06 Title: Laboratory Manager

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
13D

Contract: R2631842

Lab Code: Case No.: SAS No.: SDG NO.: 4D

Matrix (soil/water): WATER Lab Sample ID: 907751

Level (low/med): LOW Date Received: 05/24/06

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	11.0			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
27D

Contract: R2631842

Lab Code: Case No.: SAS No.: SDG NO.: 4D

Matrix (soil/water): WATER Lab Sample ID: 907746

Level (low/med): LOW Date Received: 05/24/06

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.7	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
DUP C

Contract: R2631842
Lab Code: Case No.: SAS No.: SDG NO.: 4D
Matrix (soil/water): WATER Lab Sample ID: 907766
Level (low/med): LOW Date Received: 05/24/06

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.4	B		P

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

COLUMBIA ANALYTICAL SERVICES

Reported: 06/26/06

Shaw Environmental
Project Reference: GE MRFA PROJECT #810066
Client Sample ID : 27D

Date Sampled : 05/23/06 14:00 **Order #:** 907746 **Sample Matrix:** WATER
Date Received: 05/24/06 **Submission #:** R2631842

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/24/06	12:12	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 06/26/06

Shaw Environmental
Project Reference: GE MRFA PROJECT #810066
Client Sample ID : 13D

Date Sampled : 05/23/06 13:00 **Order #:** 907751 **Sample Matrix:** WATER
Date Received: 05/24/06 **Submission #:** R2631842

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/24/06	12:12	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 06/26/06

Shaw Environmental
Project Reference: GE MRFA PROJECT #810066
Client Sample ID : DUP C

Date Sampled : 05/23/06 **Order #:** 907766 **Sample Matrix:** WATER
Date Received: 05/24/06 **Submission #:** R2631842

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/24/06	12:12	1.0

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Lab File ID: T7848.D Lab Sample ID: 915216 1.0

Date Analyzed: 06/01/06 Time Analyzed: 14:02

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	915217 1.0	T7846.D	12:45
02	4D	907743 1.0	T7849.D	14:33
03	27D	907746 1.0	T7850.D	15:04
04	14D	907760 1.0	T7851.D	15:38
05	MRFA DUP A	907762 1.0	T7852.D	16:10
06	MRFA EFFLUENT	907763 1.0	T7853.D	16:45
07	TRIP BLANK	907764 1.0	T7854.D	17:16
08	M-25D	908121 5.0	T7855.D	17:47
09	DGC-3S	908114 1.0	T7856.D	18:19
10	DGC-4S	908115 1.0	T7857.D	18:56
11	M-33I	908116 1.0	T7858.D	19:33
12	M-33S	908117 1.0	T7859.D	20:10
13	M-24D	908118 1.0	T7860.D	20:47
14	M-11D	908119 1.0	T7861.D	21:24
15	27DMS	915218 1.0	T7862.D	22:01
16	27DMSD	915219 1.0	T7863.D	22:39

COMMENTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915216 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7848.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/01/06

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
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 (MEK)	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: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915216 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7848.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/01/06

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

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	0.2	J
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	0.3	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915216 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7848.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/01/06

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	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Lab File ID: T7870.D Lab Sample ID: 915220 1.0

Date Analyzed: 06/02/06 Time Analyzed: 13:03

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	LCS02	915223 1.0	T7868.D	11:49
02	M-29D	908120 1.0	T7871.D	13:33
03	TRIP BLANK	908123 1.0	T7872.D	14:09
04	DUP B	908122 1.0	T7873.D	14:44
05	M-29DDL	908120 2.0	T7874.D	15:21
06	MRFA INFLUENT	907761 1.0	T7875.D	15:58
07	MRFA INFLUENT	907761 2.0 (DL)	T7877.D	17:09
08	MRFA INFLUENT	915225 2.0 (DL MS)	T7878.D	17:46
09	MRFA INFLUENT	915226 2.0 (DLMSD)	T7879.D	18:24
10	COOLER BLANK	907765 1.0	T7882.D	20:16

COMMENTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915220 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7870.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/02/06

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 (MEK)	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

VBLK02

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915220 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7870.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/02/06

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	0.3	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915220 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7870.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/02/06

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	RT	EST. CONC.	Q

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

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	4.8	96	60 - 140
1,2-Dichloroethane	5.0	0.0	4.9	98	60 - 140
Carbon tetrachloride	5.0	0.0	4.6	92	60 - 140
Benzene	5.0	0.0	4.6	92	60 - 140
Trichloroethene	5.0	0.0	4.7	94	60 - 140
1,2-Dichloropropane	5.0	0.0	4.7	94	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.8	96	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.0	100	60 - 140
Tetrachloroethene	5.0	0.0	4.4	88	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	4.7	94	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.9	98	60 - 140

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915217 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7846.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/01/06

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	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	4	
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 (MEK)	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	4	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	4	
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	9	
1330-20-7	o-Xylene	4	
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: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915217 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7846.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/01/06

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	B
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	B

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

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	4.9	98	60 - 140
1,2-Dichloroethane	5.0	0.0	4.8	96	60 - 140
Carbon tetrachloride	5.0	0.0	5.0	100	60 - 140
Benzene	5.0	0.0	5.0	100	60 - 140
Trichloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dichloropropane	5.0	0.0	5.0	100	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.8	96	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.9	98	60 - 140
Tetrachloroethene	5.0	0.0	5.1	102	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:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915223 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7868.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/02/06

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	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	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 (MEK)	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: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915223 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7868.D

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

% Moisture: not dec. _____ Date Analyzed: 06/02/06

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	B

METALS

-3-

BLANKS

Contract: R2631842

Lab Code: Case No.: SAS No.: SDG NO.: 4D

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	2.0	U	2.0	U	2.0	U	2.0	U	2.010	U	P

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2631842
Client: Shaw Environmental
GE MRFA PROJECT #810066

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
HEXAVALENT CHROMIUM	0.0100 U	0.0977	0.100	98	90 - 109	130425	MG/L

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31582 SAS No.: _____ SDG No.: 4D

Matrix Spike - EPA Sample No.: 27D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.1	102	60 - 140
1,2-Dichloroethane	5.0	0.0	5.6	112	60 - 140
Carbon tetrachloride	5.0	22	25	52 *	60 - 140
Benzene	5.0	0.0	4.9	98	60 - 140
Trichloroethene	5.0	16	21	92	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.1	102	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dibromoethane	5.0	0.0	5.4	108	60 - 140
Bromoform	5.0	0.0	5.2	104	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	5.0	5.5	110	8	30	60 - 140
1,2-Dichloroethane	5.0	5.6	112	0	30	60 - 140
Carbon tetrachloride	5.0	26	80	29	30	60 - 140
Benzene	5.0	5.1	102	4	30	60 - 140
Trichloroethene	5.0	21	100	0	30	60 - 140
1,2-Dichloropropane	5.0	5.1	102	2	30	60 - 140
cis-1,3-Dichloropropene	5.0	5.1	102	0	30	60 - 140
1,1,2-Trichloroethane	5.0	5.5	110	6	30	60 - 140
Tetrachloroethene	5.0	4.8	96	0	30	60 - 140
1,2-Dibromoethane	5.0	5.4	108	0	30	60 - 140
Bromoform	5.0	5.4	108	4	30	60 - 140
1,4-Dichlorobenzene	5.0	5.2	104	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: 1 out of 24 outside limits

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27DMS

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915218 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7862.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	6	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	6	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone (MEK)	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	8	
107-06-2	1,2-Dichloroethane	6	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon tetrachloride	25	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	21	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	6	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	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

27DMS

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915218 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7862.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

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	5	
120-82-1	1,2,4-Trichlorobenzene	5	B
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	6	B

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27DMSD

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915219 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7863.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/01/06

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	4	
75-00-3	Chloroethane	6	
75-69-4	Trichlorofluoromethane	6	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	6	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone (MEK)	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	8	
107-06-2	1,2-Dichloroethane	6	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon tetrachloride	26	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	21	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	6	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	6	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	6	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27DMSD

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915219 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7863.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. _____ Date Analyzed: 06/01/06

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	5	
120-82-1	1,2,4-Trichlorobenzene	6	B
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	6	B

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Matrix Spike - EPA Sample No.: MRFA INFLUENT DL

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	10	0.0	9.7	97	60 - 140
1,2-Dichloroethane	10	0.0	10	100	60 - 140
Carbon tetrachloride	10	38	47	86	60 - 140
Benzene	10	0.0	10	100	60 - 140
Trichloroethene	10	22	32	98	60 - 140
1,2-Dichloropropane	10	0.0	10	100	60 - 140
cis-1,3-Dichloropropene	10	0.0	9.8	98	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	11	110	60 - 140
Bromoform	10	0.0	10	100	60 - 140
1,4-Dichlorobenzene	10	0.0	10	100	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	13	30	60 - 140
1,2-Dichloroethane	10	10	100	0	30	60 - 140
Carbon tetrachloride	10	48	100	11	30	60 - 140
Benzene	10	11	110	10	30	60 - 140
Trichloroethene	10	33	110	10	30	60 - 140
1,2-Dichloropropane	10	11	110	10	30	60 - 140
cis-1,3-Dichloropropene	10	10	100	2	30	60 - 140
1,1,2-Trichloroethane	10	10	100	0	30	60 - 140
Tetrachloroethene	10	11	110	0	30	60 - 140
1,2-Dibromoethane	10	10	100	10	30	60 - 140
Bromoform	10	10	100	0	30	60 - 140
1,4-Dichlorobenzene	10	10	100	0	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLUENTDLMS

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915225 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7878.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	10	D
75-01-4	Vinyl Chloride	10	D
74-83-9	Bromomethane	8	D
75-00-3	Chloroethane	10	D
75-69-4	Trichlorofluoromethane	10	D
75-35-4	1,1-Dichloroethene	11	D
67-64-1	Acetone	12	D
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	11	D
156-60-5	trans-1,2-Dichloroethene	11	D
75-34-3	1,1-Dichloroethane	10	D
156-59-2	cis-1,2-Dichloroethene	10	D
78-93-3	2-Butanone (MEK)	10	U
74-97-5	Bromochloromethane	10	D
67-66-3	Chloroform	14	D
107-06-2	1,2-Dichloroethane	10	D
71-55-6	1,1,1-Trichloroethane	11	D
56-23-5	Carbon tetrachloride	47	D
71-43-2	Benzene	10	D
79-01-6	Trichloroethene	32	D
78-87-5	1,2-Dichloropropane	10	D
75-27-4	Bromodichloromethane	11	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	11	D
108-90-7	Chlorobenzene	11	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	10	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLUENTDLMS

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915225 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7878.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	9	D
120-82-1	1,2,4-Trichlorobenzene	10	D
87-68-3	Hexachlorobutadiene	10	D
87-61-6	1,2,3-Trichlorobenzene	10	BD

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLUENTDLMSD

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915226 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7879.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	10	D
75-01-4	Vinyl Chloride	11	D
74-83-9	Bromomethane	9	D
75-00-3	Chloroethane	10	D
75-69-4	Trichlorofluoromethane	10	D
75-35-4	1,1-Dichloroethene	11	D
67-64-1	Acetone	13	D
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	10	D
78-93-3	2-Butanone (MEK)	10	U
74-97-5	Bromochloromethane	10	D
67-66-3	Chloroform	14	D
107-06-2	1,2-Dichloroethane	10	D
71-55-6	1,1,1-Trichloroethane	11	D
56-23-5	Carbon tetrachloride	48	D
71-43-2	Benzene	11	D
79-01-6	Trichloroethene	33	D
78-87-5	1,2-Dichloropropane	11	D
75-27-4	Bromodichloromethane	11	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	11	D
106-93-4	1,2-Dibromoethane	10	D
108-90-7	Chlorobenzene	11	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	11	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLUENTDLMSD

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Matrix: (soil/water) WATER Lab Sample ID: 915226 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T7879.D

Level: (low/med) LOW Date Received: 05/24/06

% Moisture: not dec. Date Analyzed: 06/02/06

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	11	BD

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

27DS

Contract: R2631842

Lab Code: Case No.: SAS No.: SDG NO.: 4D

Matrix (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	212.1446		2.7197	B	200.00	104.7		P

Comments:

METALS
-5B-
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.: 27DA

Contract: R2631842

Lab Code: Case No.: SAS No.: SDG NO.: 4D

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium		204.54		2.72	B	200.0	100.9		P

Comments:

METALS

-6-

DUPLICATES

SAMPLE NO.

27DD

Contract: R2631842

Lab Code: Case No.: SAS No.: SDG NO.: 4D

Matrix (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		2.7197	B	2.5636	B	5.9		P

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 06/26/06
CAS Order # : 907746 - 27D
Client : Shaw Environmental
GE MRFA PROJECT #810066
Reported Units: MG/L
Run # : 130425

	PRECISION			ACCURACY			
	ORIGINAL	DUPLICATE	RPD	FOUND	ADDED	% REC.	LIMITS
HEXAVALENT CHROMIUM	0.0100 U	0.0100 U	NC	0.106	0.100	106	85 - 115

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Lab File ID: T7392.D BFB Injection Date: 5/8/06

Instrument ID: GCMS#6 BFB Injection Time: 9:54

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	20.5
75	30.0 - 66.0% of mass 95	47.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.7)1
174	50.0 - 120.0% of mass 95	92.5
175	4.0 - 9.0% of mass 174	6.4 (6.9)1
176	93.0 - 101.0% of mass 174	87.7 (94.8)1
177	5.0 - 9.0% of mass 176	5.5 (6.2)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	T7394.D	5/8/06	11:38
02	VSTD002/010	VSTD002/010	T7395.D	5/8/06	12:37
03	VSTD005/025	VSTD005/025	T7396.D	5/8/06	13:14
04	VSTD010/050	VSTD010/050	T7397.D	5/8/06	13:50
05	VSTD025/125	VSTD025/125	T7398.D	5/8/06	14:28

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: _____ SDG No.: 4D

Lab File ID: T7866.D BFB Injection Date: 6/2/06

Instrument ID: GCMS#6 BFB Injection Time: 9:51

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	20.9
75	30.0 - 66.0% of mass 95	49.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.2 (1.1)1
174	50.0 - 120.0% of mass 95	107.7
175	4.0 - 9.0% of mass 174	7.5 (7.0)1
176	93.0 - 101.0% of mass 174	103.5 (96.1)1
177	5.0 - 9.0% of mass 176	6.1 (5.9)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 #2	VSTD #2	T7867.D	6/2/06	10:36
02	LCS02	915223 1.0	T7868.D	6/2/06	11:49
03	VBLK02	915220 1.0	T7870.D	6/2/06	13:03
04	M-29D	908120 1.0	T7871.D	6/2/06	13:33
05	TRIP BLANK	908123 1.0	T7872.D	6/2/06	14:09
06	DUP B	908122 1.0	T7873.D	6/2/06	14:44
07	M-29DDL	908120 2.0	T7874.D	6/2/06	15:21
08	MRFA INFLUENT	907761 1.0	T7875.D	6/2/06	15:58
09	MRFA INFLUENTDL	907761 2.0	T7877.D	6/2/06	17:09
10	MRFA INFLUENTDL	915225 2.0 (MS)	T7878.D	6/2/06	17:46
11	MRFA INFLUENTDL	915226 2.0 (MSD)	T7879.D	6/2/06	18:24
12	COOLER BLANK	907765 1.0	T7882.D	6/2/06	20:16

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Lab File ID: T7844.D BFB Injection Date: 6/1/06

Instrument ID: GCMS#6 BFB Injection Time: 10:49

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	20.7
75	30.0 - 66.0% of mass 95	47.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.4
173	Less than 2.0% of mass 174	0.5 (0.4)1
174	50.0 - 120.0% of mass 95	102.0
175	4.0 - 9.0% of mass 174	7.1 (7.0)1
176	93.0 - 101.0% of mass 174	101.3 (99.3)1
177	5.0 - 9.0% of mass 176	6.0 (6.0)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	T7845.D	6/1/06	11:52
02	LCS01	915217 1.0	T7846.D	6/1/06	12:45
03	VBLK01	915216 1.0	T7848.D	6/1/06	14:02
04	4D	907743 1.0	T7849.D	6/1/06	14:33
05	27D	907746 1.0	T7850.D	6/1/06	15:04
06	14D	907760 1.0	T7851.D	6/1/06	15:38
07	MRFA DUP A	907762 1.0	T7852.D	6/1/06	16:10
08	MRFA EFFLUENT	907763 1.0	T7853.D	6/1/06	16:45
09	TRIP BLANK	907764 1.0	T7854.D	6/1/06	17:16
10	M-25D	908121 5.0	T7855.D	6/1/06	17:47
11	DGC-3S	908114 1.0	T7856.D	6/1/06	18:19
12	DGC-4S	908115 1.0	T7857.D	6/1/06	18:56
13	M-33I	908116 1.0	T7858.D	6/1/06	19:33
14	M-33S	908117 1.0	T7859.D	6/1/06	20:10
15	M-24D	908118 1.0	T7860.D	6/1/06	20:47
16	M-11D	908119 1.0	T7861.D	6/1/06	21:24
17	27DMS	915218 1.0	T7862.D	6/1/06	22:01
18	27DMSD	915219 1.0	T7863.D	6/1/06	22:39

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Lab File ID (Standard): T7845.D Date Analyzed: 06/01/06

Instrument ID: GCMS#6 Time Analyzed: 11:52

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

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	753952	6.74	614534	9.20	323844	11.01
	UPPER LIMIT	1507904	6.24	1229068	8.70	647688	10.51
	LOWER LIMIT	376976	7.24	307267	9.70	161922	11.51
	EPA SAMPLE NO.						
01	LCS01	737180	6.74	612190	9.20	330961	11.00
02	VBLK01	721320	6.74	600750	9.20	279877	11.01
03	4D	689585	6.74	575894	9.20	270440	11.01
04	27D	681413	6.74	569621	9.20	264685	11.01
05	14D	699451	6.74	568283	9.20	256594	11.01
06	MRFA DUP A	667558	6.74	581805	9.20	261807	11.01
07	MRFA EFFLUENT	673615	6.74	563649	9.20	253972	11.01
08	TRIP BLANK	664613	6.74	560154	9.20	249336	11.01
09	M-25D	676205	6.74	555362	9.20	261197	11.01
10	DGC-3S	656178	6.74	563509	9.20	254478	11.01
11	DGC-4S	652283	6.74	557347	9.20	258884	11.01
12	M-33I	658958	6.74	556151	9.20	249570	11.01
13	M-33S	648870	6.74	555059	9.20	250446	11.01
14	M-24D	661787	6.74	557995	9.20	253525	11.01
15	M-11D	650910	6.74	557715	9.20	254629	11.01
16	27DMS	702352	6.74	598104	9.20	332470	11.01
17	27DMSD	723740	6.74	600443	9.20	332026	11.01

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: SHAW

Lab Code: 10145 Case No.: R6-31842 SAS No.: SDG No.: 4D

Lab File ID (Standard): T7867.D Date Analyzed: 06/02/06

Instrument ID: GCMS#6 Time Analyzed: 10:36

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

	IS1 AREA #	IS1 RT #	IS2 AREA #	IS2 RT #	IS3 AREA #	IS3 RT #
12 HOUR STD	778726	6.74	677175	9.20	361207	11.02
UPPER LIMIT	1557452	6.24	1354350	8.70	722414	10.52
LOWER LIMIT	389363	7.24	338588	9.70	180604	11.52
EPA SAMPLE NO.						
01 LCS02	783448	6.74	658980	9.20	357312	11.01
02 VBLK02	722575	6.74	614597	9.20	286565	11.01
03 M-29D	719101	6.74	592682	9.20	258502	11.01
04 TRIP BLANK	708348	6.74	588070	9.20	253968	11.01
05 DUP B	696381	6.74	594958	9.20	264305	11.01
06 M-29DDL	707503	6.74	593789	9.20	272573	11.01
07 MRFA INFLUENT	692162	6.74	591534	9.20	264010	11.01
08 MRFA INFLUENT	678431 (DL)	6.74	581160	9.20	261418	11.01
09 MRFA INFLUENT	731584 (DLMS)	6.74	614586	9.20	354733	11.00
10 MRFA INFLUENT	742658 (DLMSD)	6.74	617555	9.20	357228	11.01
11 COOLER BLANK	660699	6.74	562813	9.20	264904	11.01

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of contract required QC limits

APPENDIX C

DATA VALIDATION REPORTS

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 14, 2006

Marc Flanagan
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

RE: Validation of MRFA Malta Site Data Packages
CAS Sub Nos. R2630515 and R2631842

Dear Mr. Flanagan:

Review has been completed for the data packages generated by Columbia Analytical Services (CAS), pertaining to aqueous samples collected 2/27/06, 5/23/06, and 5/24/06 at the MRFA Malta Site. Eighteen samples (including three field duplicates) and cooler 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

Those 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 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 results for analytes initially flagged as "E" by the laboratory are to be derived from the dilution analyses of the samples.

Due to presence in the associated trip blank, the detections of acetone in M-25D and MRFA DUP-A are considered external contamination, and edited to reflect non-detection ("U").

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 are evidenced by spike recoveries and standard areas, but their reporting limits in all of the project samples should be considered estimated ("UJ" or "J" qualifier), possibly biased low. 1,2,4-trichlorobenzene also shows a similar low factor in the continuing calibration associated with the samples collected in May. Therefore results for that analyte in the samples collected in May are also qualified as estimated.

Results for 1,2-dibromo-3-chloropropane and 1,2,3-trichlorobenzene are qualified as estimated in the samples collected in May due to outlying responses in the continuing calibration standard (25%D and 33%D). Those results may have a low bias.

Matrix spikes of MRFA Influent (both events) and M-27D show acceptable accuracy and precision.

Volatile field duplicate correlations for MRFA Influent (2/27), MRFA Effluent (5/23), and M-24D are well within validation guidelines.

Sample M-25D was processed at fivefold dilution due to concentrations of certain target compounds. Therefore, reporting limits of analytes that are not detected are increased proportionally.

The laboratory Forms 8A show incorrect acceptance limits for internal standard responses. The sample analyses meet the protocol requirement.

Total Chromium Analyses

Accuracy and precision of M-27D (as shown by matrix spike and duplicate evaluation) were acceptable. The ICP serial dilution evaluation was also performed on M-27D, and the evaluation was not applicable due to the low sample concentration.

Field duplicate evaluation for M-27D shows good correlation.

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

Accuracy and precision of M-27D (as shown by matrix spike and duplicate evaluation), and the field duplicate correlation for M-27D were within guidelines.

Reported results are substantiated by the raw data, and generated in compliance with required protocols.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION QUALIFIER SUMMARY

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U - **The analyte was analyzed for, but was not detected above the reported sample quantitation limit.**

J - **The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.**

N - **The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."**

NJ - **The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.**

UJ - **The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.**

R - **The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.**

CLIENT and LABORATORY SAMPLE IDs

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#:MRFA DUPLICATE	BATCH COMPLETE: yes	DATE REVISED:
SUBMISSION R2630515	DISKETTE REQUESTED: Y_x__ N____	DATE DUE: 03/28/06
CLIENT: Shaw Environmental	DATE: 03/01/06	PROTOCOL:ASPB
CLIENT REP: Janice Jaeger	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:
PROJECT: GE MRFA PROJECT #810	CHAIN OF CUSTODY: PRESENT/ABSENT:	SUMMARY PKG: Y__x__ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITIOI
885141	MRFA DUPLICATE	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			
885142	MRFA EFFLUENT	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			
885143	MRFA INFLUENT	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			
885144	TRIP BLANK	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			
885145	COOLER BLANK	WATER	OLC 2.1 LL-W/3 EXTRA COMPOUNDS	2/27/06	2/28/06			

4

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: 4D
SUBMISSION R2631842
CLIENT: Shaw Environmental
CLIENT REP: Janice Jaeger
PROJECT: GE MRFA PROJECT #810066

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y___ N__x__
DATE: 06/01/06
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 06/22/06
PROTOCOL: ASP-B
SHIPPING No.:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
907743	4D	WATER	OLC2.1LL + 3 CMPDS	5/23/2006	5/24/2006			
907746 QC	27D	WATER	OLC2.1LL + 3 CMPDS,CR,CR+6	5/23/2006	5/24/2006			
907751	13D	WATER	CR,CR+6	5/23/2006	5/24/2006			
907760	14D	WATER	OLC2.1LL + 3 CMPDS	5/23/2006	5/24/2006			
907761 QC	MRFA INFLUENT	WATER	OLC2.1LL + 3 CMPDS	5/23/2006	5/24/2006			
907762	MRFA DUP A	WATER	OLC2.1LL + 3 CMPDS	5/23/2006	5/24/2006			
907763	MRFA EFFLUENT	WATER	OLC2.1LL + 3 CMPDS	5/23/2006	5/24/2006			
907764	TRIP BLANK	WATER	OLC2.1LL + 3 CMPDS	5/23/2006	5/24/2006			
907765	COOLER BLANK	WATER	OLC2.1LL + 3 CMPDS	5/23/2006	5/24/2006			
907766	DUP C	WATER	CR+6,CR	5/23/2006	5/24/2006			
908114	DGC-3S	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908115	DGC-4S	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908116	M-33I	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908117	M-33S	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908118	M-24D	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908119	M-11D	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908120	M-29D	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908121	M-25D	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908122	DUP B	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			
908123	TRIP BLANK	WATER	OLC2.1LL + 3 CMPDS	5/24/2006	5/25/2006			

CASE NARRATIVE

COMPANY: Shaw Environmental
MRFA Project #810066
SUBMISSION #: R2630515

Shaw water samples were collected on 02/27/06 and received at CAS on 02/28/06 in good condition at a cooler temperature of 1°C.

VOLATILE ORGANICS

Three water samples, one cooler blank, and one trip blank were analyzed for a site-specific list of Volatiles by method OLC 2.1.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within limits.

All surrogate standard recoveries were within limits.

All samples were analyzed within required holding times.

Several samples had hits which were outside the calibration range of the instrument and are flagged with an "E". The samples were reanalyzed at dilutions and both set of samples are reported. All compounds identified in the dilution have been flagged as "D".

A Library Search against the NIST/EPA library was conducted on the samples and blanks. The 20 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest internal standard and are reported flagged with a "J" as estimated. The flag on a TIC compound indicates presumptive evidence of a particular compound.

Site-specific QC was performed on the Influent. All MS/MSD recoveries were within limits. All Blank Spike recoveries were within limits. All RPD's were within limits.

All results between the MDL and PQL have been flagged with a "J" as estimated.

The Laboratory Blanks, trip blank, and cooler blank associated with these samples were free of contamination.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in the hard copy package has been authorized by the Laboratory Manager or his designee, as verified by the following signature;

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2631842

Shaw samples were sampled on 05/23-24/06 and received at CAS on 05/24-25/06 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 27D as requested. All MS and Blank spike recoveries were within limits. All RPD's were within limits.

No other analytical or QC problems were encountered.

VOLATILE ORGANICS

Seventeen 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 27D and MRFA Influent as requested. All MS recoveries were within limits except Carbon Tetrachloride for 27D and has been flagged with an "*". All MSD and Reference spike recoveries were within limits.

Various compounds for MRFA Influent and M-29D have been flagged with an "E" as being outside the calibration range of the instrument. The samples were repeated at dilutions and both sets of data have been reported out.

The Laboratory blanks associated with these samples were free of contamination except VBLK02 had a low level hit for 1,2,3-Trichlorobenzene and VBLK01 had low level hits for 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene. All affected data has been flagged with a "B".

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.

APPENDIX D

AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
12/24/2005	Total	1,300	1,010	0.90	0.70	1.60
12/25/2005	Total	1,360	1,080	0.94	0.75	1.69
12/26/2005	Total	1,380	1,090	0.96	0.76	1.72
12/27/2005	Total	1,370	1,100	0.95	0.76	1.72
12/28/2005	Total	1,130	1,030	0.78	0.72	1.50
12/29/2005	Total	1,330	1,060	0.92	0.74	1.66
12/30/2005	Total	1,330	1,050	0.92	0.73	1.65
12/31/2005	Total	1,390	1,110	0.97	0.77	1.74
1/1/2006	Total	1,330	1,060	0.92	0.74	1.66
1/2/2006	Total	1,300	1,020	0.90	0.71	1.61
1/3/2006	Total	1,380	1,090	0.96	0.76	1.72
1/4/2006	Total	1,400	1,110	0.97	0.77	1.74
1/5/2006	Total	1,390	1,110	0.97	0.77	1.74
1/6/2006	Total	1,330	1,060	0.92	0.74	1.66
1/7/2006	Total	1,390	1,110	0.97	0.77	1.74
1/8/2006	Total	1,370	1,110	0.95	0.77	1.72
1/9/2006	Total	1,350	1,090	0.94	0.76	1.69
1/10/2006	Total	1,250	1,010	0.87	0.70	1.57
1/11/2006	Total	1,340	1,060	0.93	0.74	1.67
1/12/2006	Total	1,280	1,010	0.89	0.70	1.59
1/13/2006	Total	1,270	1,020	0.88	0.71	1.59
1/14/2006	Total	1,290	1,030	0.90	0.72	1.61
1/15/2006	Total	1,460	1,170	1.01	0.81	1.83
1/16/2006	Total	1,330	1,070	0.92	0.74	1.67
1/17/2006	Total	1,440	1,170	1.00	0.81	1.81
1/18/2006	Total	1,450	1,170	1.01	0.81	1.82
1/19/2006	Total	1,360	1,090	0.94	0.76	1.70
1/20/2006	Total	1,310	1,050	0.91	0.73	1.64
1/21/2006	Total	1,340	1,070	0.93	0.74	1.67
1/22/2006	Total	1,300	1,020	0.90	0.71	1.61
1/23/2006	Total	1,330	1,060	0.92	0.74	1.66
1/24/2006	Total	1,210	960	0.84	0.67	1.51
1/25/2006	Total	580	1,310	0.40	0.91	1.31
1/26/2006	Total	0	780	0.00	0.54	0.54
1/27/2006	Total	0	0	0.00	0.00	0.00
1/28/2006	Total	90	3,620	0.06	2.51	2.58
1/29/2006	Total	0	2,650	0.00	1.84	1.84
1/30/2006	Total	0	1,820	0.00	1.26	1.26
1/31/2006	Total	0	1,720	0.00	1.19	1.19
2/1/2006	Total	0	1,910	0.00	1.33	1.33
2/2/2006	Total	0	1,910	0.00	1.33	1.33
2/3/2006	Total	0	1,690	0.00	1.17	1.17
2/4/2006	Total	1,090	990	0.76	0.69	1.44
2/5/2006	Total	1,440	410	1.00	0.28	1.28
2/6/2006	Total	1,350	390	0.94	0.27	1.21
2/7/2006	Total	1,470	420	1.02	0.29	1.31
2/8/2006	Total	1,560	430	1.08	0.30	1.38
2/9/2006	Total	1,700	480	1.18	0.33	1.51
2/10/2006	Total	1,640	460	1.14	0.32	1.46
2/11/2006	Total	1,260	360	0.88	0.25	1.13
2/12/2006	Total	1,300	360	0.90	0.25	1.15

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
2/13/2006	Total	1,320	380	0.92	0.26	1.18
2/14/2006	Total	1,530	430	1.06	0.30	1.36
2/15/2006	Total	1,520	430	1.06	0.30	1.35
2/16/2006	Total	1,400	400	0.97	0.28	1.25
2/17/2006	Total	1,400	400	0.97	0.28	1.25
2/18/2006	Total	1,500	410	1.04	0.28	1.33
2/19/2006	Total	1,490	410	1.03	0.28	1.32
2/20/2006	Total	1,460	400	1.01	0.28	1.29
2/21/2006	Total	1,430	400	0.99	0.28	1.27
2/22/2006	Total	1,500	420	1.04	0.29	1.33
2/23/2006	Total	1,470	400	1.02	0.28	1.30
2/24/2006	Total	1,370	390	0.95	0.27	1.22
2/25/2006	Total	1,220	340	0.85	0.24	1.08
2/26/2006	Total	1,660	460	1.15	0.32	1.47
2/27/2006	Total	1,520	420	1.06	0.29	1.35
2/28/2006	Total	1,470	400	1.02	0.28	1.30
3/1/2006	Total	1,320	370	0.92	0.26	1.17
3/2/2006	Total	1,380	390	0.96	0.27	1.23
3/3/2006	Total	1,500	430	1.04	0.30	1.34
3/4/2006	Total	1,500	420	1.04	0.29	1.33
3/5/2006	Total	1,400	400	0.97	0.28	1.25
3/6/2006	Total	1,350	390	0.94	0.27	1.21
3/7/2006	Total	1,380	390	0.96	0.27	1.23
3/8/2006	Total	1,440	420	1.00	0.29	1.29
3/9/2006	Total	1,430	410	0.99	0.28	1.28
3/10/2006	Total	1,400	410	0.97	0.28	1.26
3/11/2006	Total	1,280	360	0.89	0.25	1.14
3/12/2006	Total	1,260	370	0.88	0.26	1.13
3/13/2006	Total	1,430	410	0.99	0.28	1.28
3/14/2006	Total	1,320	370	0.92	0.26	1.17
3/15/2006	Total	1,310	360	0.91	0.25	1.16
3/16/2006	Total	1,220	340	0.85	0.24	1.08
3/17/2006	Total	1,190	330	0.83	0.23	1.06
3/18/2006	Total	1,320	360	0.92	0.25	1.17
3/19/2006	Total	1,230	350	0.85	0.24	1.10
3/20/2006	Total	1,330	370	0.92	0.26	1.18
3/21/2006	Total	1,430	390	0.99	0.27	1.26
3/22/2006	Total	1,370	610	0.95	0.42	1.38
3/23/2006	Total	940	630	0.65	0.44	1.09
3/24/2006	Total	1,030	680	0.72	0.47	1.19
3/25/2006	Total	980	640	0.68	0.44	1.13
3/26/2006	Total	930	590	0.65	0.41	1.06
3/27/2006	Total	930	600	0.65	0.42	1.06
3/28/2006	Total	1,060	680	0.74	0.47	1.21
3/29/2006	Total	740	480	0.51	0.33	0.85
3/30/2006	Total	900	590	0.63	0.41	1.03
3/31/2006	Total	1,050	680	0.73	0.47	1.20
4/1/2006	Total	970	640	0.67	0.44	1.12
4/2/2006	Total	980	630	0.68	0.44	1.12
4/3/2006	Total	910	580	0.63	0.40	1.03
4/4/2006	Total	980	640	0.68	0.44	1.13

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
4/5/2006	Total	990	620	0.69	0.43	1.12
4/6/2006	Total	1,050	680	0.73	0.47	1.20
4/7/2006	Total	990	620	0.69	0.43	1.12
4/8/2006	Total	980	620	0.68	0.43	1.11
4/9/2006	Total	910	590	0.63	0.41	1.04
4/10/2006	Total	980	630	0.68	0.44	1.12
4/11/2006	Total	990	630	0.69	0.44	1.13
4/12/2006	Total	1,360	880	0.94	0.61	1.56
4/13/2006	Total	890	570	0.62	0.40	1.01
4/14/2006	Total	910	590	0.63	0.41	1.04
4/15/2006	Total	870	560	0.60	0.39	0.99
4/16/2006	Total	870	560	0.60	0.39	0.99
4/17/2006	Total	950	620	0.66	0.43	1.09
4/18/2006	Total	950	610	0.66	0.42	1.08
4/19/2006	Total	950	600	0.66	0.42	1.08
4/20/2006	Total	1,000	640	0.69	0.44	1.14
4/21/2006	Total	990	640	0.69	0.44	1.13
4/22/2006	Total	760	500	0.53	0.35	0.88
4/23/2006	Total	940	620	0.65	0.43	1.08
4/24/2006	Total	910	590	0.63	0.41	1.04
4/25/2006	Total	1,040	680	0.72	0.47	1.19
4/26/2006	Total	1,000	710	0.69	0.49	1.19
4/27/2006	Total	870	710	0.60	0.49	1.10
4/28/2006	Total	930	760	0.65	0.53	1.17
4/29/2006	Total	930	760	0.65	0.53	1.17
4/30/2006	Total	860	710	0.60	0.49	1.09
5/1/2006	Total	860	710	0.60	0.49	1.09
5/2/2006	Total	920	760	0.64	0.53	1.17
5/3/2006	Total	910	760	0.63	0.53	1.16
5/4/2006	Total	860	710	0.60	0.49	1.09
5/5/2006	Total	980	800	0.68	0.56	1.24
5/6/2006	Total	850	700	0.59	0.49	1.08
5/7/2006	Total	850	720	0.59	0.50	1.09
5/8/2006	Total	850	710	0.59	0.49	1.08
5/9/2006	Total	860	720	0.60	0.50	1.10
5/10/2006	Total	900	740	0.63	0.51	1.14
5/11/2006	Total	1,030	870	0.72	0.60	1.32
5/12/2006	Total	1,310	1,080	0.91	0.75	1.66
5/13/2006	Total	1,200	1,000	0.83	0.69	1.53
5/14/2006	Total	1,170	970	0.81	0.67	1.49
5/15/2006	Total	1,160	960	0.81	0.67	1.47
5/16/2006	Total	1,200	990	0.83	0.69	1.52
5/17/2006	Total	1,070	880	0.74	0.61	1.35
5/18/2006	Total	1,050	860	0.73	0.60	1.33
5/19/2006	Total	1,190	980	0.83	0.68	1.51
5/20/2006	Total	1,150	940	0.80	0.65	1.45
5/21/2006	Total	1,100	920	0.76	0.64	1.40
5/22/2006	Total	990	820	0.69	0.57	1.26
5/23/2006	Total	1,100	930	0.76	0.65	1.41
5/24/2006	Total	6,060	1,280	4.21	0.89	5.10
5/25/2006	Total	7,360	1,180	5.11	0.82	5.93

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
5/26/2006	Total	1,880	340	1.31	0.24	1.54
5/27/2006	Total	1,630	380	1.13	0.26	1.40
5/28/2006	Total	1,340	370	0.93	0.26	1.19
5/29/2006	Total	1,420	400	0.99	0.28	1.26
5/30/2006	Total	1,300	410	0.90	0.28	1.19
5/31/2006	Total	1,370	450	0.95	0.31	1.26
6/1/2006	Total	1,370	450	0.95	0.31	1.26
6/2/2006	Total	1,430	510	0.99	0.35	1.35
6/3/2006	Total	1,330	490	0.92	0.34	1.26
6/4/2006	Total	1,180	440	0.82	0.31	1.13
6/5/2006	Total	1,230	470	0.85	0.33	1.18
6/6/2006	Total	1,200	470	0.83	0.33	1.16
6/7/2006	Total	1,230	500	0.85	0.35	1.20
6/8/2006	Total	1,240	510	0.86	0.35	1.22
6/9/2006	Total	1,240	520	0.86	0.36	1.22
6/10/2006	Total	1,230	530	0.85	0.37	1.22
6/11/2006	Total	1,210	540	0.84	0.38	1.22
6/12/2006	Total	1,050	470	0.73	0.33	1.06
6/13/2006	Total	1,230	560	0.85	0.39	1.24
6/14/2006	Total	1,240	570	0.86	0.40	1.26
6/15/2006	Total	1,170	560	0.81	0.39	1.20
6/16/2006	Total	1,200	560	0.83	0.39	1.22
6/17/2006	Total	1,170	570	0.81	0.40	1.21
6/18/2006	Total	1,100	550	0.76	0.38	1.15
6/19/2006	Total	1,070	550	0.74	0.38	1.13
6/20/2006	Total	1,150	590	0.80	0.41	1.21
Grand Total		**216,780**	**130,610**	**0.841**	**0.507**	**1.348**