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## PROJECT STATUS MEMORANDUM

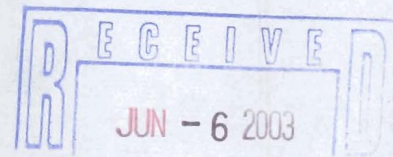
NO. 03-04

**TO:** Pamela Tames, USEPA

**FROM:** Laura R. Zima,  
Alfred N. Kovalik, P.E.

**DATE:** June 5, 2003

**PROJECT:** Rowe Industries Superfund Site  
Ground-Water Recovery and Treatment System  
April 2003 Status Report  
Sag Harbor, New York



LBG Engineering Services, P.C. (LBG) commenced operation of the ground-water remediation system at the above-referenced site on December 17, 2002. This status report presents a summary of the operation, maintenance and monitoring activities for the site from April 1, 2003 through April 30, 2003. The report includes a summary of system operational parameters, tasks completed during the reporting period, anticipated tasks for the following month, analytical results for ground-water and system effluent samples, air quality results, and a summary of stream/estuary, wetland, and ground-water monitoring data.

### SUMMARY OF SYSTEM OPERATION

*(April 1, 2003 through April 30, 2003)*

<i>Reporting Period:</i>	30 days
<i>Total Flow During Period:</i>	18,182,420 gallons
<i>System Average Flow:</i>	420 gallons per minute (gpm) while operating
<i>Mass of VOCs Recovered:</i>	8.0 pounds
<i>Cumulative VOCs Recovered:</i>	44.4 pounds
<i>Hours of Operation:</i>	661 hours during reporting period (92 percent) (based on number of hours registering flow from RW-1)
<i>Alarm Conditions:</i>	See Table 1 : Maintenance Log
<i>Discharge Criteria:</i>	Effluent water and air quality criteria met

## **SCHEDULE**

### **Completed Tasks**

During the April 2003 reporting period, LBG completed the following tasks:

- monitored system operations by completing routine inspections;
- completed ground-water recovery and treatment system troubleshooting and maintenance;
- collected ground-water samples from recovery wells (4/23/03);
- measured ground-water fluid levels;
- monitored select parameters in streams, estuary, wetlands, and ground water;
- completed air sampling events for carbon units;
- prepared monthly project status report; and
- completed project management administrative duties.

### **Upcoming Tasks**

During the next reporting period, LBG anticipates completing the following tasks:

- monitor system operations by completing routine inspections;
- complete ground-water recovery and treatment system maintenance;
- collect ground-water samples from recovery wells;
- measure fluid levels and evaluate drawdown in aquifer;
- conduct monitoring of streams, estuary, wetlands, and ground water;
- complete air sampling events for carbon units;
- calculate contaminant recovery totals for the system;
- coordinate changes to system programming;
- prepare monthly project status report;
- complete project management administrative duties;
- run computer model with modified well flow to determine capture zone;
- trouble-shoot to increase life span of filter bags;
- update static ground-water elevations for accurate drawdown calculations; and,
- replace transducer in RW-9.

## **GROUND-WATER RECOVERY SYSTEM STATUS SUMMARY**

The following table summarizes select recovery well parameters for the reporting period. Additional well operation information is included on the weekly operation reports, which are attached as Appendix I. A graph depicting the individual well flowrates over time is attached as Figure 1. RW-4 flow is not accurate due to the sensor power source malfunction. The flow in some of the recovery wells decreased due to accumulation of sludge in the piping. Figure 2 shows individual well pressures over time. Recovery well RW-6 average flow is reduced due to backpressure in the combined recovered water pipeline. The average flow for other wells is less than associated design values because flow adjustments were made in order to extend bag filter life. A computer model will be re-run with lower well flows to evaluate the long term effect of the lower flows on remediation of the aquifer, including capture zones and remediation time.

Based on analytical results for samples collected from the influent to the air stripper and water flow totalizer readings, approximately 8.0 pounds of volatile organic compounds (VOCs) were recovered by the system in March. The cumulative recovery of VOCs by the system since the start of operation is 36.5 pounds. The VOC recovery calculation for March is attached as Appendix II and is based on four sampling events. Laboratory analytical reports are attached as Appendix III.

Well	Volume Pumped (gal)	Average Flow (gpm)	Design Flow (gpm)	Total VOC Concentration (ug/L)	VOC Recovery (lbs)
RW-1	1,137,106	35.0	35	9.8	0.093
RW-2	1,104,525	25.7	45	15.3	0.14
RW-3	1,137,008	30.0	30	2.3	0.022
RW-4*	1,983,000	50	50	113.1	1.87
RW-5	2,274,326	55.0	55	12.0	0.23
RW-6	1,137,191	34.9	50	80.0	0.76
RW-7	2,270,584	69.7	80	101.8	1.93
RW-8	2,272,320	62.3	90	44.8	0.85
RW-9	2,520,370	88.2	100	18.0	0.38

\*Estimated volume and flow due to sensor power supply malfunction.

During the reporting period, troubleshooting and maintenance activities were conducted on five of the recovery wells (see Table 1). Reoccurring fault conditions included low flow and overload fault conditions. Troubleshooting activities that were conducted to correct the fault conditions included adjusting well flowrates and alarm set points and cleaning flowmeters and the basket strainer.

## GROUND-WATER TREATMENT SYSTEM STATUS SUMMARY

### System Operation

The two major components of the ground-water treatment system are the three bag filter banks and the packed-tower air stripper.

The filter banks, with eight bag filters per bank, are located downstream of the equalization tank and upstream from the air stripper. The bag filter banks operate in parallel. The average flow from the equalization tank transfer pumps into the filter bank system was 479 gpm during the reporting period. The inlet, outlet and differential pressures for each filter bank are recorded on an hourly basis. Figure 3 illustrates the differential pressure readings over time across each of the three banks. As indicated on this figure and as shown in the operations log, high differential pressure warnings were recorded and filter bag changeouts were conducted on almost a daily basis. Additional troubleshooting activities will be conducted during the next reporting period to increase the lifespan of the filter bags and minimize system maintenance requirements.

The average air flowrate through the air stripper during the reporting period was 2,475 scfm (standard cubic feet per minute). A graph of the air stripper air flow and air pressure over time is attached as Figure 4. The graph indicates no reduced performance of the air stripper by fouling of the air stripper packing. The air flow and pressure readings have remained stable. Therefore, the

acid backwash system was not utilized during the reporting period. The water discharge from the air stripper was sampled weekly. As shown on the attached Table 2, the treated ground water met the water-quality requirements set forth in the SPDES criteria. Figure 5 illustrates that the daily system effluent flowrate in gallons per day (gpd) was below the SPDES limit of 1,023,000 gpd.

### **AIR TREATMENT AND EMISSIONS MONITORING**

Air sampling was conducted during the reporting period to ensure that VOC emissions do not exceed limits and to monitor the granular activated carbon units for breakthrough. The air stripper off-gas is treated by two carbon units, which are currently being operated in series. During system start-up, photoionization detector (PID) readings and air samples for laboratory analysis were collected from the effluent from the stripper, carbon unit 1 and carbon unit 2 on a weekly basis. Table 3 summarizes the air quality results for the initial system testing phase and all sampling done during the system operation. As shown in the table, the PCE laden air from the air stripper was effectively treated by the carbon units; therefore, no carbon changeout activities were conducted during the reporting period. According to the calculation in Appendix IV, the air emission rate from the carbon units (based on the April 9<sup>th</sup> analytical data) was 0.00076 pounds per hour. Trichloroethene was not detected and chloroform was below limits in the effluent vapor stream from the carbon unit system; therefore, the allowable concentrations of these compounds corresponding to the Ambient Guideline Concentration (AgC) at the property line were not exceeded.

### **GROUND-WATER SAMPLING**

Ground-water samples were collected from the nine recovery wells on April 23, 2003. The samples were collected to estimate VOC mass recovery rates from each well. Table 4 summarizes the VOC analytical data for all ground-water samples collected during the operation of the system. The highest tetrachloroethene concentration for the most recent sampling round was 110 micrograms per liter in RW-4. Ground-water quality trends will be analyzed throughout the duration of the remedial action.

### **STREAM/ESTUARY SALINITY MONITORING**

Salinity and temperature levels were measured at predetermined locations perpendicular to the flow of water in the Ligonee Creek. The selected locations are considered representative of the section of Sag Harbor Cove downgradient of the VOC plume being captured and potentially affected by the operation of the recovery wells. The salinity and temperature profiles are monitored at the surface and various depths. Measurements were made at each location during, or close to, average daily high and low tide. Temperature and salinity graphs for the various monitoring points are attached as Appendix V. Based on historical data measured, the operation of the system has not had an influence on the salinity or temperature at the selected locations. During April 2003, the salinity and temperature data were collected when the ground-water remediation system was not operating. Salinity and temperature data collected during the next monthly monitoring event and throughout the duration of the ground-water remedial action will be evaluated against the historical monitoring data.

## WATER-LEVEL MONITORING

Water-level monitoring is conducted in the Crooked, Whaler's Road, Lily and Round Ponds and the Ligonee Brook to assess the impacts of the ground-water recovery system on water levels. Ground-water levels and pond water levels are measured in the piezometers and staff gages to determine the difference between the potentiometric heads in the underlying aquifer and the pond water levels. The ground-water elevation data were collected on April 15, 2003. The water-level measurements are shown on the hydrographs attached as Appendix VI. Water-level data collected during the next monthly monitoring event and throughout the duration of the ground-water remedial action will be evaluated against the baseline data.

Monitor well static water-level measurements were collected on February 27, 2003 and are summarized in Table 5. The collection of water level data from the monitor wells coincide with the collection Greenbelt Pond water-level measurements. The drawdown was calculated for April using this data and is shown in Table 5. Recovery well drawdown data for the nine recovery wells are approximated using data log files collected by the computer. The recovery well drawdown presented in Table 5 is an average of the calculated drawdown while the system was operating. It should be noted that drawdown measured in monitor wells MW-49A, B and C is influenced by tidal fluctuations in the nearby cove. Negative or very low drawdown is believed to be the results of the collection of drawdown measurements during high tide conditions. Also presented in Table 5 is the simulated drawdown according to the numerical ground-water flow model. Based on the comparison of the measured drawdown in the monitor wells and the anticipated drawdown generated by the model, the ground-water recovery system is capturing the plume.

Figures 6 through 14 show calculated drawdown for each of the nine recovery wells for the month of April. The calculated drawdown in the recovery wells has remained stable throughout the period of operation. The decreasing trend and negative numbers observed in the figures is a result of seasonal fluctuation of the water table. The static ground-water elevation, which is used to calculate the drawdown, has not been updated since February 27, resulting in the negative drawdown values when the system is not operating. The static ground-water elevations will be updated during the next extended maintenance shutdown period.

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Chief-Operation Maintenance and Support Section  
(figure 4, table 2 and Appendix III)  
Robert Schneck, RWE, R-1, NYSDEC  
David Gilmartin, Jr., Esq., Town of Southampton

LRZ:ng

Attachments

H:\NABIS\2003\monthly reports\April 2003\Status0304Apr.doc

## **TABLES**

**TABLE 1**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**MAINTENANCE LOG**  
(April 1, 2003 through April 30, 2003)

Date	Time	System Changes/Modifications	Personnel
4/1/03	3:43 AM	Filter bank 3 high pressure warning.	PJ
	3:57 AM	Filter bank 2 high pressure warning.	PJ
	6:00 AM	Filter bank 1 high pressure warning.	PJ
	6:10 AM	Changed multi-bag filter socks on bank 2.	PJ
	6:13 AM	Filter bank 3 high pressure alarm. System shut down.	PJ
	6:29 AM	Restarted system.	PJ
	6:43 AM	Filter bank 3 high pressure warning. (forgot to open bank 2 effluent)	PJ
	9:09 AM	Changed multi-bag filter socks on bank 1.	PJ
	9:10 AM	Closed vavles for filter bank 3. Trying different banks of filters running to try to extend life of bags.	PJ
4/2/03	12:47 AM	Filter bank 2 high pressure warning.	PH
	2:50 AM	Filter bank 1 high pressure warning.	PH
	3:37 AM	EQ tank high level alarm.	PH
	3:38 AM	Filter bank 1 high pressure alarm.	PH
	9:10 AM	Filter bank 2 high pressure warning.	PH
	9:10 AM	Filter bank 2 high pressure alarm.	PH
	9:56 AM	Changed multi-bag filter socks (100 $\mu$ m) on banks 1 and 2. Removed one filter each from lasti housing. Restarted system.	PH
4/3/03	9:15 AM	Changed multi-bag filter socks (100 mm) on bank 2, 7 of 8 housings.	LZ
	9:23 AM	Filter bank 1 high pressure warning.	LZ
	9:32 AM	Filter bank 1 high pressure alarm. System shut down.	LZ
	9:41 AM	Changed multi-bag filter socks (100 mm) on bank 1, 7 of 8 housings.	LZ
	10:02 AM	Restarted system.	LZ
4/4/03	9:00 AM	Changed multi-bag filter socks (100 $\mu$ m) on bank 1, all housings, and bank 2, 7 of 8 housings.	PH
4/5/03	10:12 AM	Filter bank 2 high pressure warning.	ASH
	11:30 AM	Changed multi-bag filter socks (100 $\mu$ m) on bank 1, all housings, and 5 bags in bank 2, left same bags in 2 housings and 1 without bag.	ASH
4/6/03	5:44 AM	Filter bank 2 high pressure warning.	ASH
	7:32 AM	Filter bank 1 high pressure warning.	ASH
	10:40 AM	Filter bank 2 high pressure alarm. System shut down.	ASH
	11:45 AM	Changed multi-bag filter socks (100 $\mu$ m) on 7 housings, 3 in bank 1, and 4 in bank 2. Restarted system.	ASH

**TABLE 1**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**MAINTENANCE LOG**  
(April 1, 2003 through April 30, 2003)

Date	Time	System Changes/Modifications	Personnel
4/7/03		Changed multi-bag filter socks (200 µm) on bank 1, all housings, and bank 2, 7 of 8 housings.	TF
4/8/03	9:00 AM	Shifted influent and effluent pumps to TP1A and TP2A.	TF
		Turned on heaters due to outside temperature.	TF
		Changed multi-bag filter socks (200 µm) on bank 1, all housings, and bank 2, 7 of 8 housings.	TF
4/9/03	6:54 AM	Filter bank 2 high pressure warning.	LZ
	8:50 AM	Changed multi-bag filter socks (200 µm) on bank 1, all housings, and bank 2, 7 of 8 housings.	LZ
	8:56 AM	Filter bank 1 high pressure warning.	LZ
	8:56 AM	Filter bank 1 high pressure alarm. System shut down.	LZ
	9:15 AM	Restarted system.	LZ
	9:19 AM	RW-9 low flow alarm.	LZ
4/10/03	5:16 AM	Filter bank 2 high pressure warning.	TF
	8:44 AM	Filter bank 1 high pressure warning.	TF
		Changed multi-bag filter socks (200 µm) on bank 1, all housings, and bank 2, 7 of 8 housings.	TF
4/11/03		Changed multi-bag filter socks (200 µm) on bank 1, all housings, and bank 2, 7 of 8 housings. Removed filters from bank 3, didn't replace, left open screens in all housings.	PH
4/12/03	8:28 AM	Changed multi-bag filter socks (200 µm) on bank 1, all housings, and bank 2, 7 of 8 housings.	TF
4/13/03		System shut down upon arrival. Unable to operate computer. Restarted computer, then restarted system.	TF
4/14/03	5:22 AM	Filter bank 2 high pressure warning.	PJ
	9:12 AM	Filter bank 1 high pressure warning.	PJ
	11:38 AM	EQ tank high, high level alarm.	PJ
	11:38 AM	Filter bank 1 high pressure alarm.	PJ
	11:39 AM	Filter bank 2 high pressure alarm. System shut down.	PJ
	5:55 PM	Changed multi-bag filter socks (200 µm) on bank 2, 7 of 8 housings. Used old bags that ran less than 4 hours on Sunday in order to get through until tomorrow. Restarted system.	PJ
4/15/03	8:31 AM	Filter bank 2 high pressure warning.	PJ
	8:42 AM	Filter bank 1 high pressure warning.	PJ
	11:33 AM	Filter bank 2 high pressure alarm. System shut down.	PJ
		Changed multi-bag filter socks (200 µm) on bank 1, all housings, and bank 2, 7 of 8 housings.	PJ



**TABLE 1**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**MAINTENANCE LOG**  
(April 1, 2003 through April 30, 2003)

Date	Time	System Changes/Modifications	Personnel
4/15/03	9:31 PM	Filter bank 1 high pressure warning.	PH
	11:06 PM	Filter bank 2 high pressure warning.	PH
4/16/03	1:18 AM	Filter bank 2 high pressure alarm.	PH
	1:19 AM	Filter bank 1 high pressure alarm, system shut down.	PH
	10:40 AM	Changed multi-bag filter socks (200 µm) on all banks. Closed bank 1 and opened banks 2 and 3. Restarted system.	PH
4/17/03		Changed multi-bag filter socks (200 µm) on banks 2 and 3.	PH
	7:20 PM	Opened bank 1.	PH
4/18/03	7:30 AM	Changed multi-bag filter socks (200 µm) on all banks.	PH
	11:30 AM	Opened bank 3.	PH
4/19/03	6:02 AM	Filter bank 3 high pressure warning.	ASH
	8:14 AM	Filter bank 1 high pressure warning.	ASH
	8:17 AM	Filter bank 2 high pressure warning.	ASH
	10:57 AM	Changed multi-bag filter socks (200 µm) on bank 1, 7 of 8 housings, and bank 2, 7 of 8 housings.	ASH
	11:25 AM	Filter bank 1 high pressure alarm.	ASH
	11:25 AM	Filter bank 3 high pressure alarm. System shut down.	ASH
		Changed lead pump on level from 65" to 70" for TP1A&B.	ASH
4/20/03	11:03 AM	Changed multi-bag filter socks (200 µm) on bank 1, 7 of 8 housings, and bank 2, 7 of 8 housings. Tightened leaking pressure gauge on filter 1, second housing.	ASH
	11:20 AM	Filter bank 2 high pressure warning.	ASH
	11:40 AM	Filter bank 3 high pressure warning.	ASH
4/21/03	10:59 AM	Changed multi-bag filter socks (200 µm) on bank 2, 7 of 8 housings, and bank 3, 7 of 8 housings.	PJ
4/22/03	3:15 AM	Changed multi-bag filter socks (200 µm) on bank 1, 7 of 8 housings, and bank 2, 7 of 8 housings.	TF
4/23/03	10:01 AM	Changed multi-bag filter socks (200 µm) on bank 2, 7 of 8 housings, and bank 3, 7 of 8 housings.	LZ
4/24/03		Changed multi-bag filter socks (200 µm) on bank 1, 7 of 8 housings, and bank 3, 7 of 8 housings. Bank 2, housing 8 is closed with gate valves therefore only 2 housings without bags.	PJ
		Greased TP1A/B, TP2A/B, and booster blower.	PJ
4/25/03		Changed multi-bag filter socks (200 µm) on bank 2, 7 of 8 housings, and bank 3, 7 of 8 housings.	PH
	10:30 AM	Isolated filter housing 7 of bank 1.	PH

**TABLE 1**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**MAINTENANCE LOG**  
(April 1, 2003 through April 30, 2003)

Date	Time	System Changes/Modifications	Personnel
4/25/03	11:12 PM	Filter bank 2 high pressure warning.	TF
4/26/03	12:14 AM	Filter bank 3 high pressure warning.	TF
	1:04 AM	Filter bank 1 high pressure warning.	TF
	4:50 AM	Filter bank 2 high pressure alarm. System shut down.	TF
		Changed multi-bag filter socks (100 µm) on bank 1, 7 of 8 housings, and bank 2, 7 of 8 housings. Unisolated 8th housing on both banks. Bank 3 not in use.	TF
4/27/03		Changed multi-bag filter socks (100 µm) on bank 1, 7 of 8 housings, and bank 2, 7 of 8 housings.	TF
	10:58 AM	RW-2 low flow alarm. Set RW-2 low flow alarm set point to 40% (was 20%).	PJ
	11:06 AM	Restarted RW-2.	PJ
4/28/03	12:29 PM	RW-2 low flow alarm.	PJ
	12:39 PM	Change target flow rate set point from 30 gpm to 20 gpm. Restarted RW-2.	PJ
		Changed multi-bag filter socks (100 µm) on bank 2, 7 of 8 housings.	PH
		Cleaned RW-2 flowmeter. Reset RW-2 flow to 30 gpm and reset low flow to 25%. Low flow alarm at 25% and 20%, reset back to 30%.	PH
4/29/03	9:19 AM	System communication/PLC failure.	LZ
	9:55 AM	Changed multi-bag filter socks (100 µm) on bank 2, 7 of 8 housings, and bank 3, 7 of 8 housings. Closed bank 1. Restarted system.	LZ

TABLE 2

**GROUND-WATER REMEDIAL ACTION  
ROWE INDUSTRIES SUPERFUND SITE  
SAG HARBOR, NEW YORK**

**DISCHARGE WATER QUALITY RESULTS**

Date Sampled	pH <sup>2,3</sup>	TDS (mg/L)	PCE (ug/L)	1,1,1-TCA (ug/L)	TCE (ug/L)	1,1-DCA (ug/L)	1,1-DCE (ug/L)	1,2-DCE (ug/L)	Xylene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Freon 113 (ug/L)	Naphthalene (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)
SPDES Limits	6.5 to 8.5	---	1	5	5	5	5	5	5	5	5	5	---	10	7	---	---	---
3-Apr-03	NM	120	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	0.227	0.334
23-Apr-03	NM	85	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	0.119	0.125

SPDES: State Pollutant Discharge Elimination System

mg/L: Milligrams per liter

ug/L: Micrograms per liter

---: Not established

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

1,2-DCE: 1,2-Dichloroethene

MTBE: Methyl tert-butyl ether

**Notes:**

1. TDS & Freon 113 added to parameter analysis with February 2003 Samples.

2. pH measured in field using litmus paper.

3. "Discharge" samples were collected from sample port labeled NP2-10.

TABLE 3

**GROUND-WATER REMEDIAL ACTION  
ROWE INDUSTRIES SUPERFUND SITE  
SAG HARBOR, NEW YORK**

**CARBON UNIT SYSTEM AIR QUALITY RESULTS**

Precarbon			Parameters (mg/m3)										
Sample Name	Date	Time	PCE	TCE	Toluene	Benzene	Chloroform	m&p-Xylenes	Methylene Chloride	o-Xylene	Chloromethane	Carbon Disulfide	Styrene
Precarbon (ITPP A)	10/8/02	11:05	6.6	0.18	0.06	0.02	ND	ND	ND	ND	ND	ND	ND
Precarbon (ITPP B)	10/9/02	12:31	5.6	0.18	0.04	0.06	ND	ND	ND	ND	ND	ND	ND
Precarbon 112002	11/20/02	21:45	2.8	0.09	0.03	0.04	ND	ND	0.01	ND	0.54	ND	ND
Precarbon 112602	11/26/02	20:10	6.8	0.18	0.06	ND	ND	ND	ND	ND	0.88	ND	ND
AQ1219022120NP4-1	12/19/02	21:20	2.9	0.12	0.02	0.03	0.01	ND	ND	ND	ND	ND	ND
AQ0109031120NP4-1	1/9/03	11:20	2.3	0.07	0.06	ND	ND	ND	ND	ND	ND	ND	ND
AQ0220030932NP4-1	2/20/03	9:32	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AQ0312031131NP4-1	3/12/03	11:31	1.3	0.04	0.02	0.009	ND	ND	ND	ND	0.09	ND	ND
AQ0409030942NP4-1	4/9/03	9:42	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Midcarbon			Parameters (mg/m3)										
Sample Name	Date	Time	PCE	TCE	Toluene	Benzene	Chloroform	m&p-Xylenes	Methylene Chloride	o-Xylene	Chloromethane	Carbon Disulfide	Styrene
Midcarbon (ITPP A)	10/8/02	11:07	0.004	ND	0.05	0.009	ND	0.008	ND	ND	ND	ND	ND
Midcarbon (ITPP B)	11/9/02	12:30	0.002	ND	0.038	0.003	ND	0.005	ND	ND	ND	ND	0.002
Midcarbon 112002	11/20/02	21:50	ND	ND	0.22	0.06	ND	0.07	0.19	ND	0.77	ND	ND
Midcarbon 112602	11/26/02	21:12	0.005	ND	0.015	0.004	ND	0.003	0.017	ND	0.07	ND	ND
AQ1219022120NP4-2	12/19/02	21:20	0.04	ND	0.027	0.004	ND	0.006	0.03	ND	ND	ND	ND
AQ0109031122NP4-2	1/9/03	11:22	0.006	ND	0.044	ND	ND	0.004	0.013	ND	ND	ND	ND
AQ0220030932NP4-2	2/20/03	9:32	0.008	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND
AQ0312031131NP4-2	3/12/03	11:31	0.01	0.003	0.03	0.005	0.012	0.006	ND	0.002	ND	0.002	0.002
AQ0409030943NP4-2	4/9/03	9:43	0.006	0.003	0.008	0.001	0.011	0.004	0.081	ND	ND	0.019	ND

Postcarbon			Parameters (mg/m3)										
Sample Name	Date	Time	PCE	TCE	Toluene	Benzene	Chloroform	m&p-Xylenes	Methylene Chloride	o-Xylene	Chloromethane	Carbon Disulfide	Styrene
Postcarbon (ITPP A)	10/8/02	11:09	0.002	ND	0.048	0.003	ND	0.005	0.049	ND	ND	0.016	ND
Postcarbon (ITPP B)	10/9/02	12:27	0.002	ND	0.04	0.006	ND	0.004	0.002	0.004	ND	0.021	0.002
Postcarbon 112002	11/20/02	21:51	Sample lost due to lab error										
Postcarbon 112602	11/26/02	20:13	ND	ND	0.012	0.004	ND	0.002	0.017	ND	0.087	ND	ND
AQ1219022120NP4-3	12/19/02	21:20	ND	ND	0.045	0.006	0.001	0.006	0.022	0.002	ND	ND	ND
AQ0109031124NP4-3	1/9/03	11:24	0.001	ND	0.06	ND	ND	0.004	0.018	ND	ND	ND	ND
AQ0220030932NP4-3	2/20/03	9:32	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND
AQ0312031132NP4-3	3/12/03	11:32	ND	ND	0.01	0.002	0.006	0.002	ND	ND	ND	0.003	ND
AQ0409030944NP4-3	4/9/03	9:44	ND	ND	0.005	ND	0.009	0.002	0.023	ND	ND	0.019	ND

TABLE 4

**GROUND-WATER REMEDIAL ACTION  
ROWE INDUSTRIES SUPERFUND SITE  
SAG HARBOR, NEW YORK**

**RECOVERY WELL WATER QUALITY RESULTS**

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Vinyl Acetate (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Isopropyl-benzene (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)
RW-1	5-Sep-02	ND<1	ND<1	ND<1	27	1.9	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	5-Sep-02	ND<1	ND<1	ND<1	ND<1	2.6	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	8-Oct-02	ND<1	ND<1	ND<1	ND<1	2.2	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	9-Oct-02	ND<1	ND<1	ND<1	ND<1	2.8	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	26-Nov-02	-	-	-	-	-	-	0.032	ND<0.02	-	-	-	-
RW-1	3-Jan-03	ND<1	ND<1	ND<1	ND<1	2.4	16	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	23-Jan-03	ND<1	ND<1	ND<1	ND<1	2.0	9.8	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	21-Mar-03	ND<1	ND<1	ND<1	ND<1	1.4	4.3	0.566	ND<0.02	ND<1	ND<1	ND<1	10
RW-1	23-Apr-03	ND<1	ND<1	ND<1	ND<1	1.2	8.6	0.053	ND<0.02	ND<1	ND<1	ND<1	ND<1
RW-2	5-Sep-02	190	2.9	ND<1	ND<1	ND<1	21	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	5-Sep-02	120	1.4	ND<1	ND<1	ND<1	18	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	8-Oct-02	140	2	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	9-Oct-02	110	1.9	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	6.6
RW-2	26-Nov-02	-	-	-	-	-	-	50.9	0.188	-	-	-	-
RW-2	3-Jan-03	38	1.3	ND<1	ND<1	ND<1	7.5	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	23-Jan-03	31	ND<1	ND<1	ND<1	ND<1	6.7	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	21-Mar-03	26	1.8	ND<1	ND<1	ND<1	ND<1	11.4	0.059	ND<1	ND<1	ND<1	ND<1
RW-2	23-Apr-03	14	1.3	ND<1	ND<1	ND<1	ND<1	6.31	0.212	ND<1	ND<1	ND<1	ND<1
RW-3	5-Sep-02	23	1.6	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	5-Sep-02	30	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	8-Oct-02	18	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	9-Oct-02	19	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	26-Nov-02	-	-	-	-	-	-	2.23	2.34	-	-	-	-
RW-3	3-Jan-03	2.8	8.5	4.8	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	23-Jan-03	2.7	5.8	2.4	ND<1	ND<1	1.8	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	21-Mar-03	2.4	3.6	1.1	ND<1	ND<1	ND<1	1.84	0.013	ND<1	ND<1	ND<1	ND<1
RW-3	23-Apr-03	1.1	1.2	ND<1	ND<1	ND<1	ND<1	1.81	0.395	ND<1	ND<1	ND<1	ND<1
RW-4	23-Sep-02	550	8.5	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	23-Sep-02	590	9.5	1.6	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	8-Oct-02	670	11	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	9-Oct-02	450	9.6	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	26-Nov-02	-	-	-	-	-	-	11	2.41	-	-	-	-
RW-4	3-Jan-03	190	3.8	7.1	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	23-Jan-03	130	6.5	0.7	ND<1	ND<1	4.3	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	21-Mar-03	150	3.6	ND<1	ND<1	ND<1	ND<1	1.36	0.041	ND<1	ND<1	ND<1	ND<1

TABLE 4

**GROUND-WATER REMEDIAL ACTION  
ROWE INDUSTRIES SUPERFUND SITE  
SAG HARBOR, NEW YORK**

**RECOVERY WELL WATER QUALITY RESULTS**

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Vinyl Acetate (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Isopropylbenzene (ug/L)	1,1-Dichloroethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Methylene Chloride (ug/L)
RW-4	23-Apr-03	110	3.1	ND<1	ND<1	ND<1	ND<1	3.18	0.136	ND<1	ND<1	ND<1	ND<1
RW-5	12-Sep-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	12-Sep-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	8-Oct-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	9-Oct-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	26-Nov-02	-	-	-	-	-	-	ND<0.02	ND<0.02	-	-	-	-
RW-5	3-Jan-03	5.5	ND<1	ND<1	ND<1	1.9	1.5	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	23-Jan-03	5.8	ND<1	ND<1	ND<1	1.1	3.5	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	21-Mar-03	19	ND<1	ND<1	ND<1	ND<1	ND<1	0.489	0.013	ND<1	ND<1	ND<1	ND<1
RW-5	23-Apr-03	12	ND<1	ND<1	ND<1	ND<1	ND<1	0.068	ND<0.02	ND<1	ND<1	ND<1	ND<1
RW-6	12-Sep-02	69	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	12-Sep-02	140	1.1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	8-Oct-02	120	1.7	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	9-Oct-02	130	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	26-Nov-02	-	-	-	-	-	-	0.37	ND<0.02	-	-	-	-
RW-6	3-Jan-03	110	1.1	ND<1	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	23-Jan-03	97	1.6	ND<1	ND<1	0.6	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	21-Mar-03	130	1.0	ND<1	ND<1	ND<1	ND<1	3.05	ND<0.02	ND<1	ND<1	ND<1	ND<1
RW-6	23-Apr-03	79	1.0	ND<1	ND<1	ND<1	ND<1	0.028	ND<0.02	ND<1	ND<1	ND<1	ND<1
RW-7	12-Sep-02	270	4.1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	12-Sep-02	350	5.2	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	8-Oct-02	360	4.7	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	9-Oct-02	370	4.9	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	26-Nov-02	-	-	-	-	-	-	0.075	ND<0.02	-	-	-	-
RW-7	3-Jan-03	160	2.5	1.3	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	23-Jan-03	120	2.3	1.1	ND<1	0.5	1.4	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	21-Mar-03	160	2.3	ND<1	ND<1	ND<1	ND<1	0.405	ND<0.02	ND<1	ND<1	ND<1	ND<1
RW-7	23-Apr-03	100	1.8	ND<1	ND<1	ND<1	ND<1	0.016	ND<0.02	ND<1	ND<1	ND<1	ND<1
RW-8	23-Sep-02	130	7.1	ND<1	ND<1	ND<1	-	-	-	1.1	ND<1	ND<1	ND<1
RW-8	23-Sep-02	100	6.6	ND<1	ND<1	ND<1	-	-	-	1.4	ND<1	ND<1	ND<1
RW-8	8-Oct-02	100	7.5	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-8	9-Oct-02	94	6.6	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-8	26-Nov-02	-	-	-	-	-	-	12.1	1.43	-	-	-	-
RW-8	3-Jan-03	59	4.3	4	ND<1	ND<1	ND<1	-	-	ND<1	2.4	ND<1	ND<1

TABLE 4

**GROUND-WATER REMEDIAL ACTION  
ROWE INDUSTRIES SUPERFUND SITE  
SAG HARBOR, NEW YORK**

**RECOVERY WELL WATER QUALITY RESULTS**

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Vinyl Acetate (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Isopropyl-benzene (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)
RW-8	23-Jan-03	58	4.2	3.2	ND<1	ND<1	ND<1	-	-	ND<1	1.8	0.6	ND<1
RW-8	21-Mar-03	70	2.9	2.7	ND<1	ND<1	ND<1	0.544	0.141	ND<1	1.4	ND<1	ND<1
RW-8	23-Apr-03	41	2	1.8	ND<1	ND<1	ND<1	11.8	0.352	ND<1	ND<1	ND<1	ND<1
RW-9	23-Sep-02	12	2.9	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-9	23-Sep-02	11	3	3.5	ND<1	ND<1	-	-	-	ND<1	5.3	ND<1	ND<1
RW-9	8-Oct-02	9.2	2.5	3.5	ND<1	ND<1	-	-	-	ND<1	6	1.1	ND<1
RW-9	9-Oct-02	16	3.4	6.6	ND<1	ND<1	-	-	-	ND<1	5.2	ND<1	ND<1
RW-9	26-Nov-02	-	-	-	-	-	-	2.99	1.72	-	-	-	-
RW-9	3-Jan-03	17	2.5	6.9	ND<1	ND<1	ND<1	-	-	ND<1	3.1	ND<1	ND<1
RW-9	23-Jan-03	23	2.8	4.3	ND<1	ND<1	ND<1	-	-	ND<1	2.5	0.6	ND<1
RW-9	21-Mar-03	23	2.2	2.8	ND<1	ND<1	ND<1	11.0	0.013	ND<1	1.7	ND<1	ND<1
RW-9	23-Apr-03	15	1.2	1.8	ND<1	ND<1	ND<1	3.55	1.97	ND<1	ND<1	ND<1	ND<1

ND: Not detected

<#: Less than method detection limit

ug/L: Micrograms per liter

-: Not analyzed

PCE: Tetrachloroethylene

TCE: Trichloroethene

TCA: 1,1,1-Trichloroethane

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

1,2-DCE: 1,2-Dichloroethene

MTBE: Methyl Tertiary Butyl Ether

**TABLE 5**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**STATIC WATER-LEVELS AND DRAWDOWN**  
**FOR MONITOR AND RECOVERY WELLS**

Well	Static Depth to Water (feet)	Drawdown (feet) 4/15/03*	Simulated Drawdown (feet)***
MW-43A	18.42	-1.40	0.51
MW-43B	18.35	-	0.52
MW-43C	17.98	-	0.35
MW-45A	19.41	-2.08	0.02
MW-46A	7.61	-1.73	0.01
MW-46B	8.10	-1.94	0.01
MW-48A	22.25	-	0
MW-48B	23.05	-	0
MW-49A	8.51	-0.52	0.71
MW-49B	8.71	-0.72	0.68
MW-49C	8.58	-0.48	0.56
MW-50A	5.93	-	0.16
MW-50B	5.51	-	0.16
MW-50C	5.79	-	0.16
RW-1	27.90	-0.48	1.28
RW-2	19.80	4.81	1.95
RW-3	7.02	-0.58	0.98
RW-4**	14.47	-	1.57
RW-5	20.97	-0.49	1.51
RW-6	18.38	17.28	0.96
RW-7	27.00	-1.10	1.05
RW-8	7.50	1.57	1.18
RW-9**	5.50	-	1.34
MW B1	17.71	-3.54	-0.84

\*Drawdown for recovery wells approximated using data-logged drawdown.

\*\* Sensor malfunction.

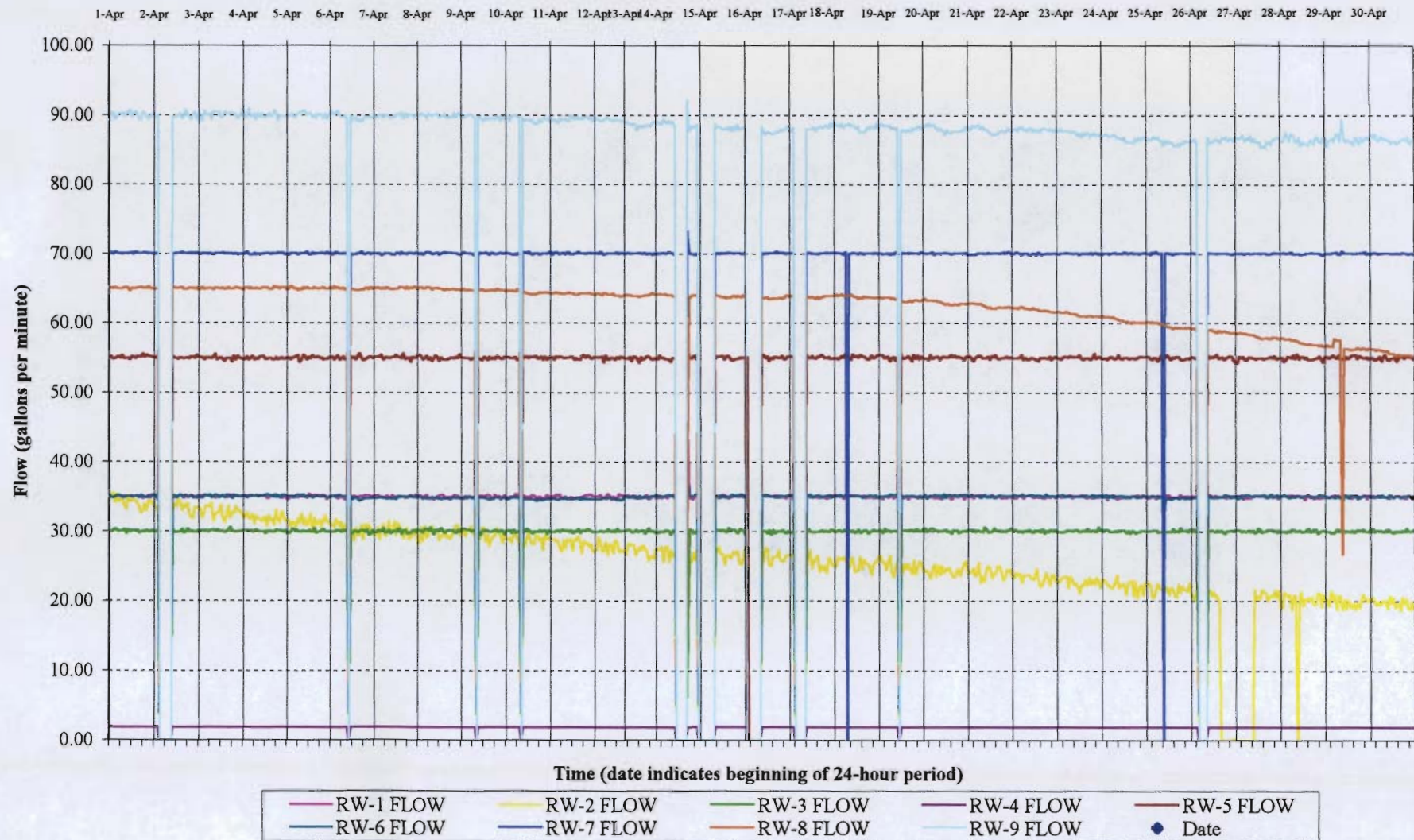
\*\*\*Drawdown based on model simulation.



## **FIGURES**

**FIGURE 1**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

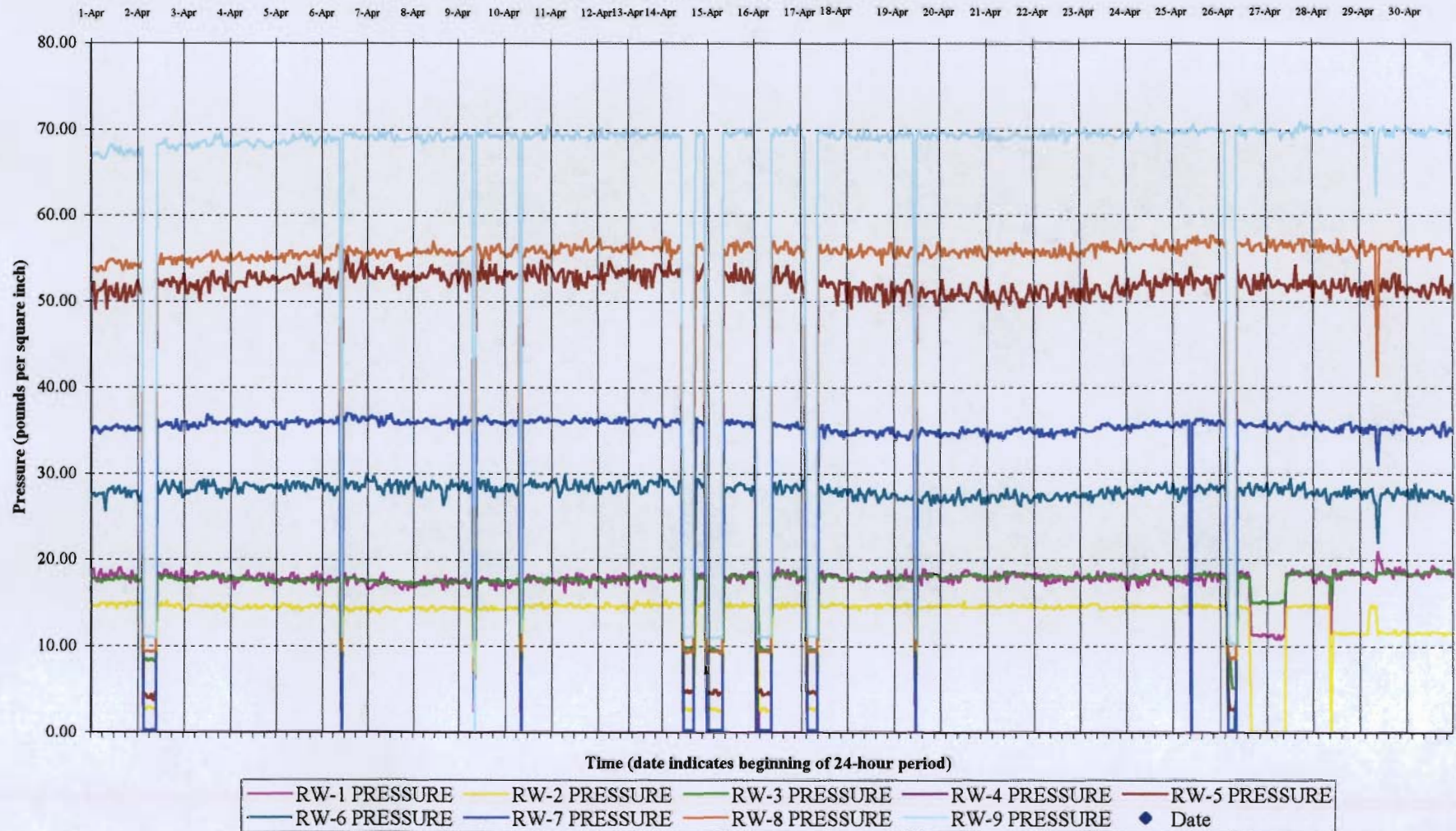
**RECOVERY WELL FLOW DATA**  
 (April 1, 2003 through April 30, 2003)





**FIGURE 2**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

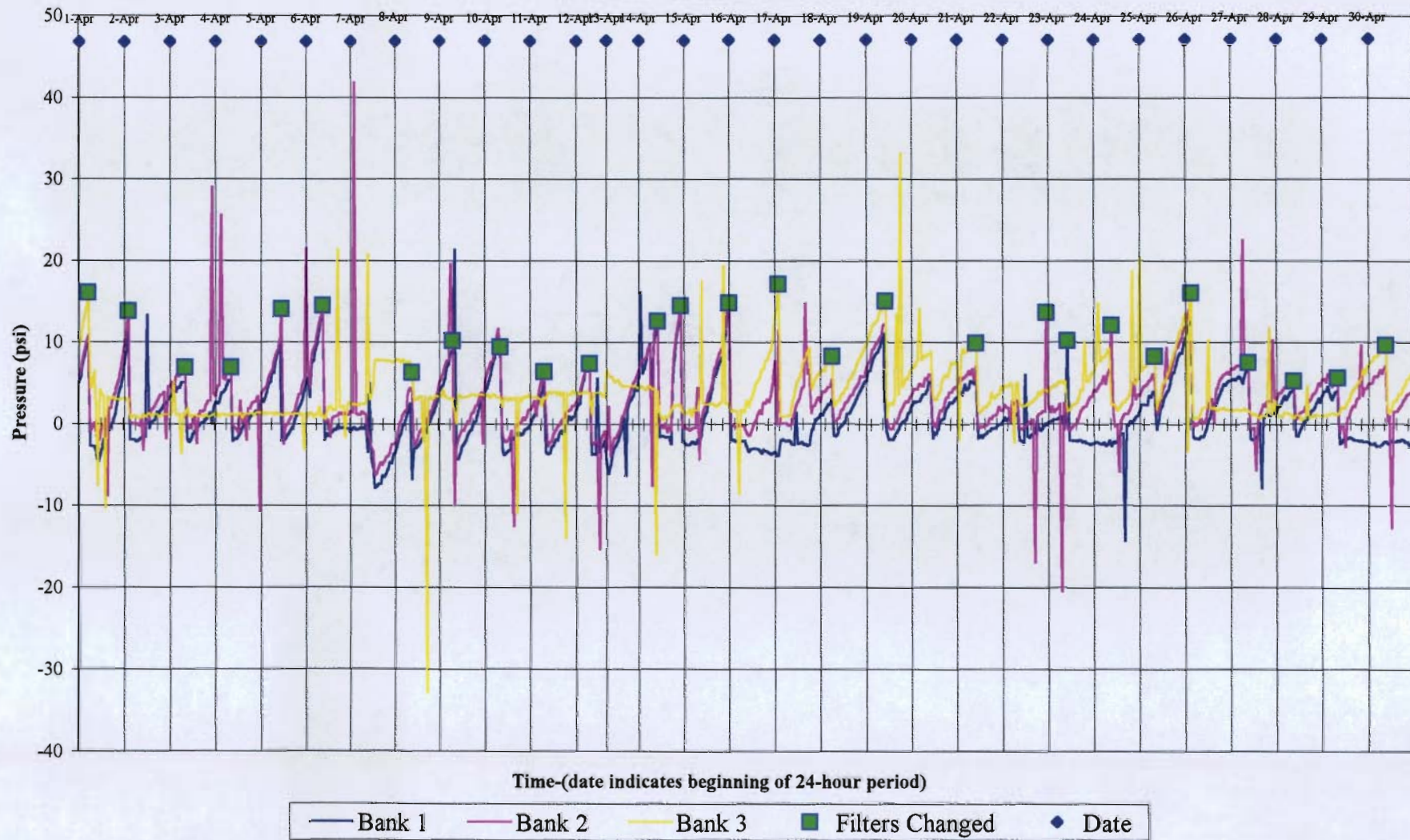
**RECOVERY WELL PRESSURE DATA**  
 (April 1, 2003 through April 30, 2003)





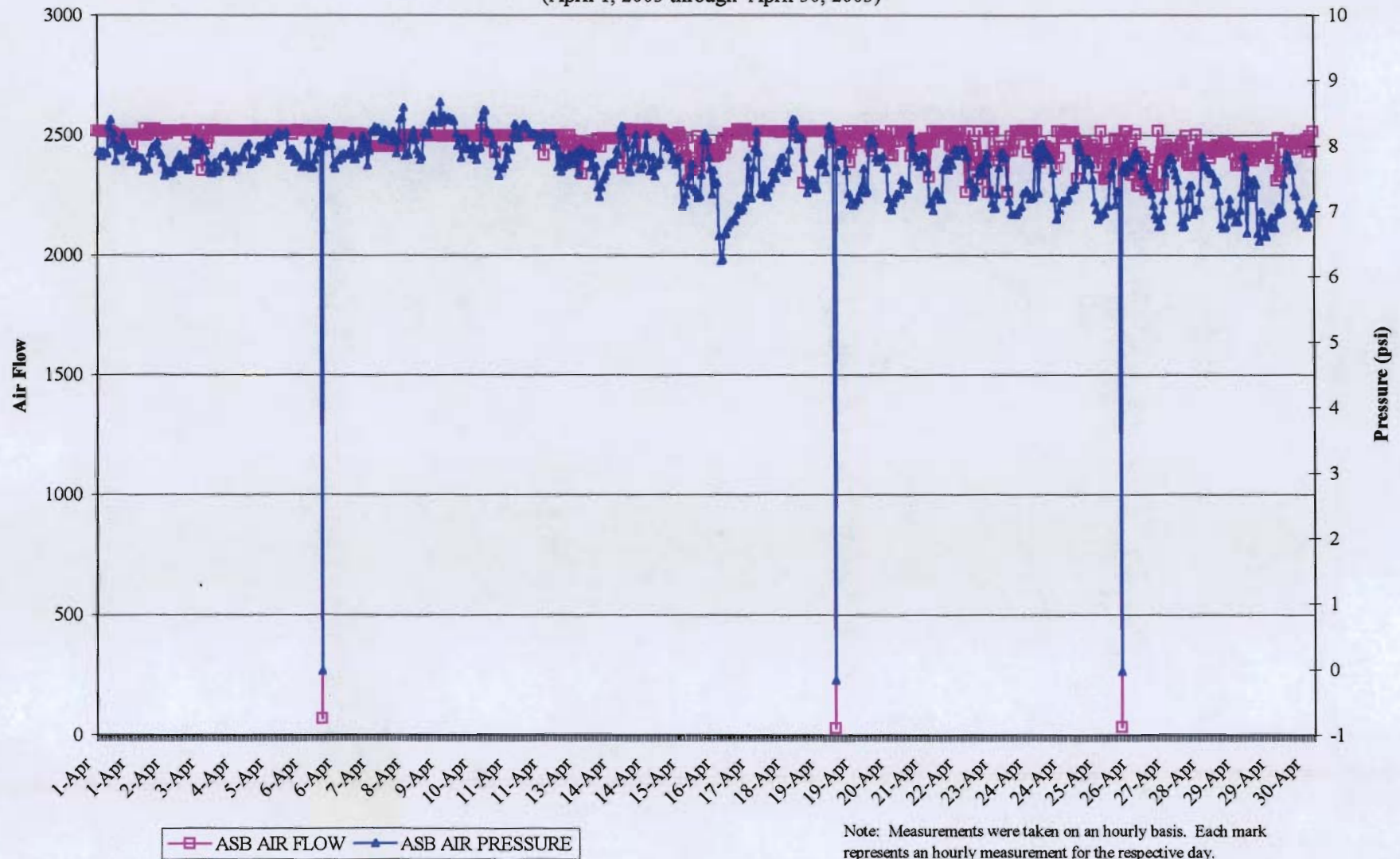
**FIGURE 3**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**FILTER BANK DIFFERENTIAL PRESSURE**  
 (April 1, 2003 through April 30, 2003)



**FIGURE 4**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**AIR STRIPPER BLOWER: FLOW AND PRESSURE**  
 (April 1, 2003 through April 30, 2003)

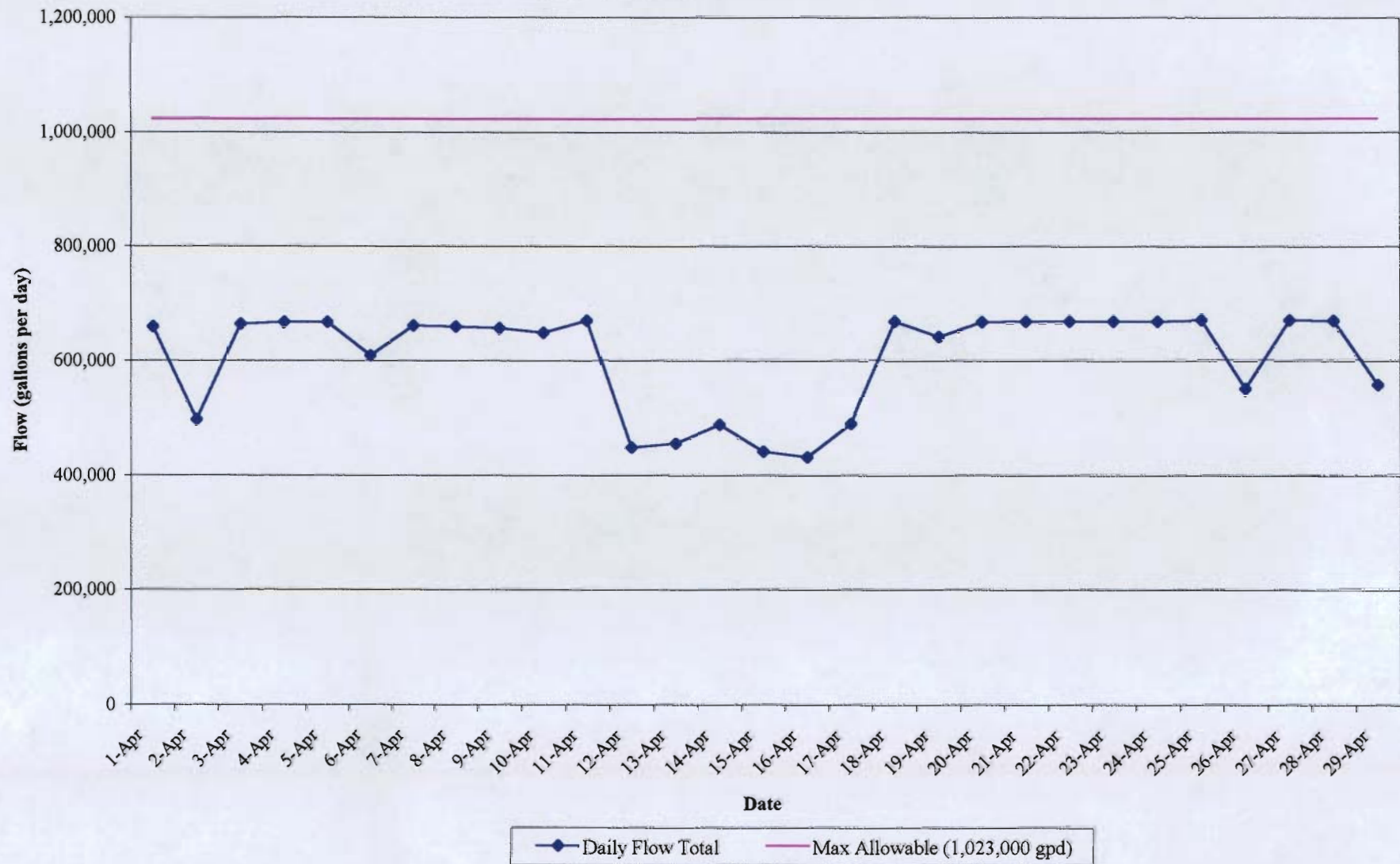


Note: Measurements were taken on an hourly basis. Each mark represents an hourly measurement for the respective day.



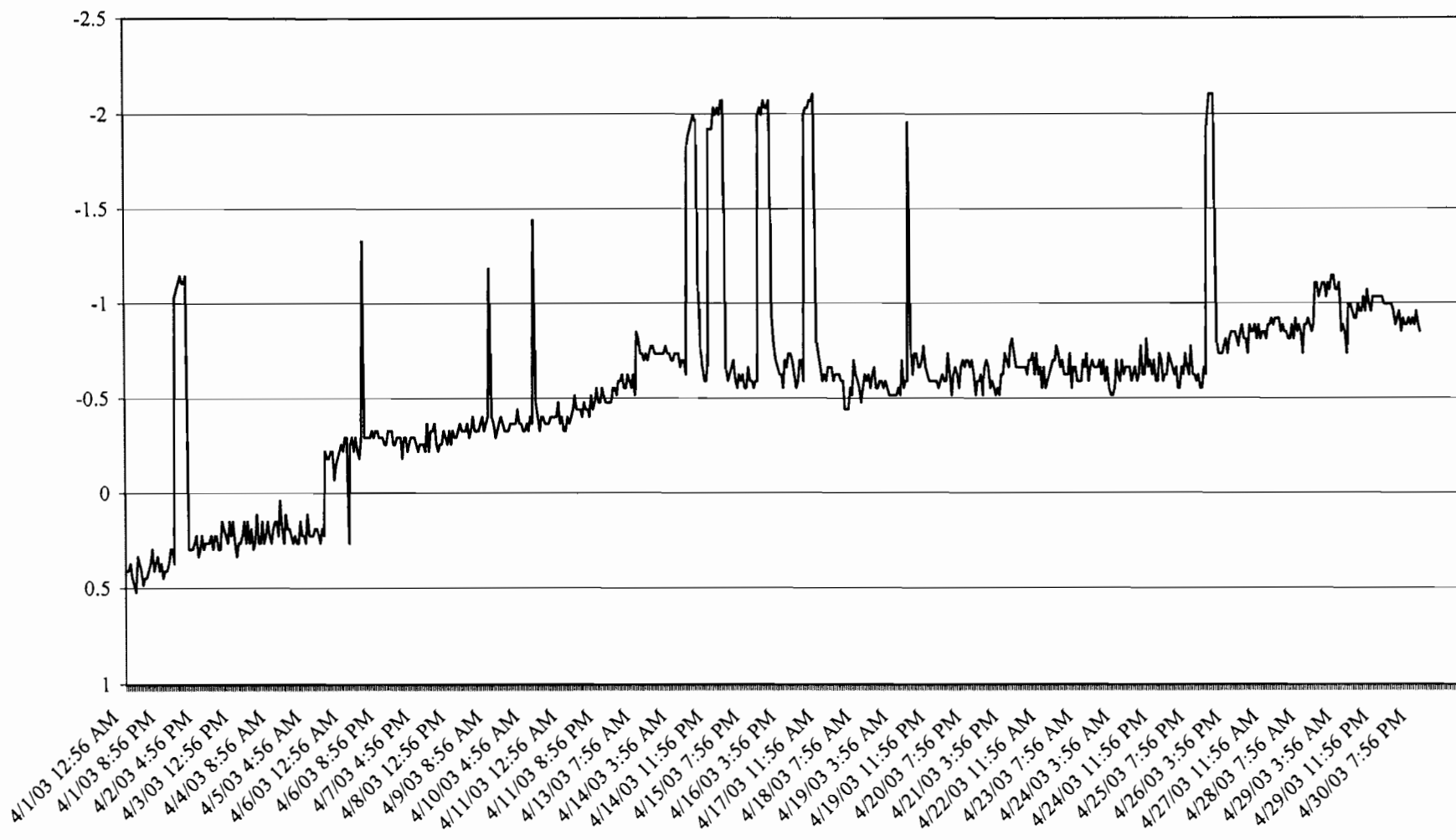
**FIGURE 5**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**EFFLUENT FLOW DATA**  
 (April 1, 2003 through April 30, 2003)



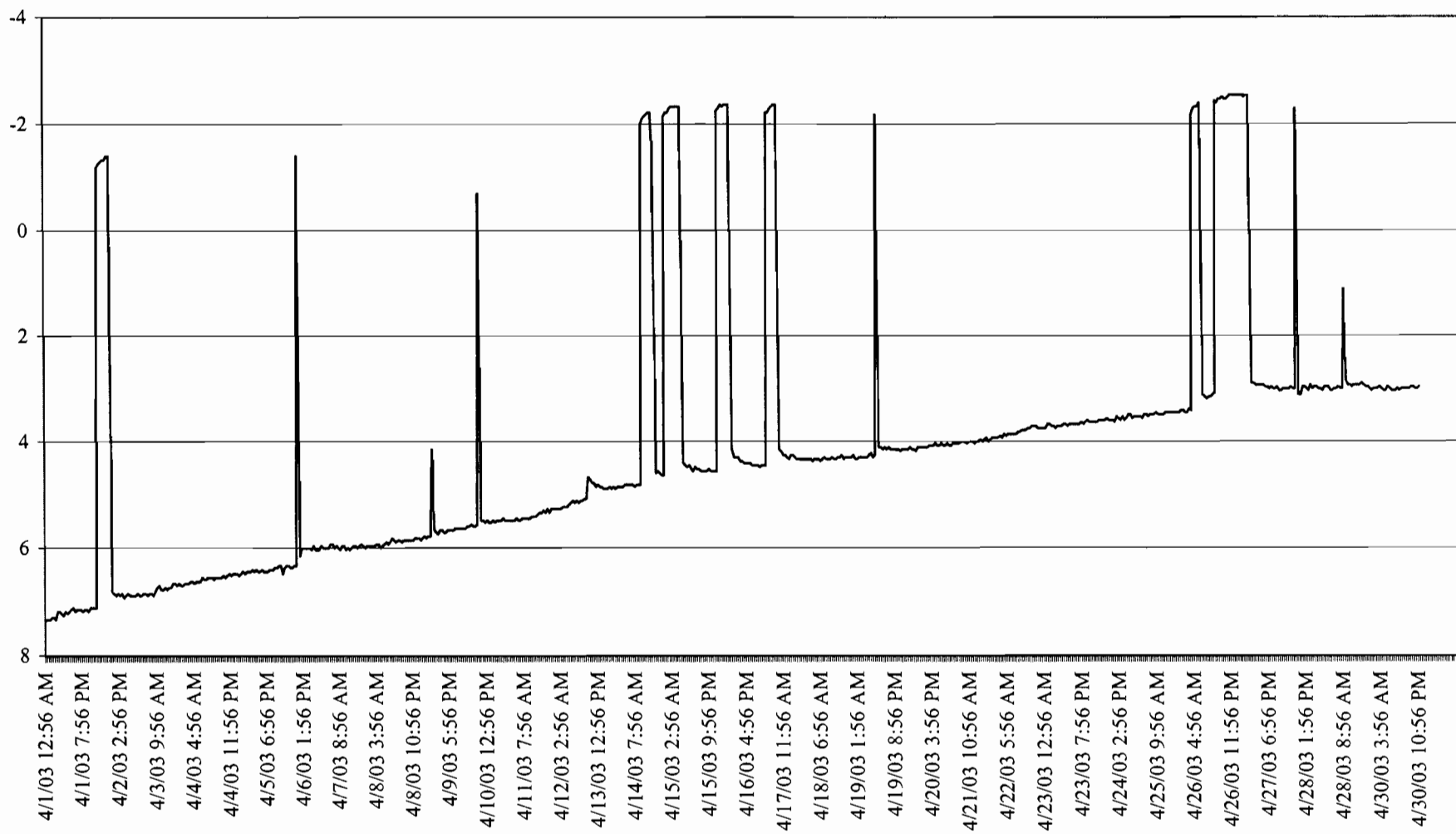
**FIGURE 6**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**RW-1 GROUND-WATER DRAWDOWN**  
 (April 1, 2003 through April 30, 2003)



**FIGURE 7**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

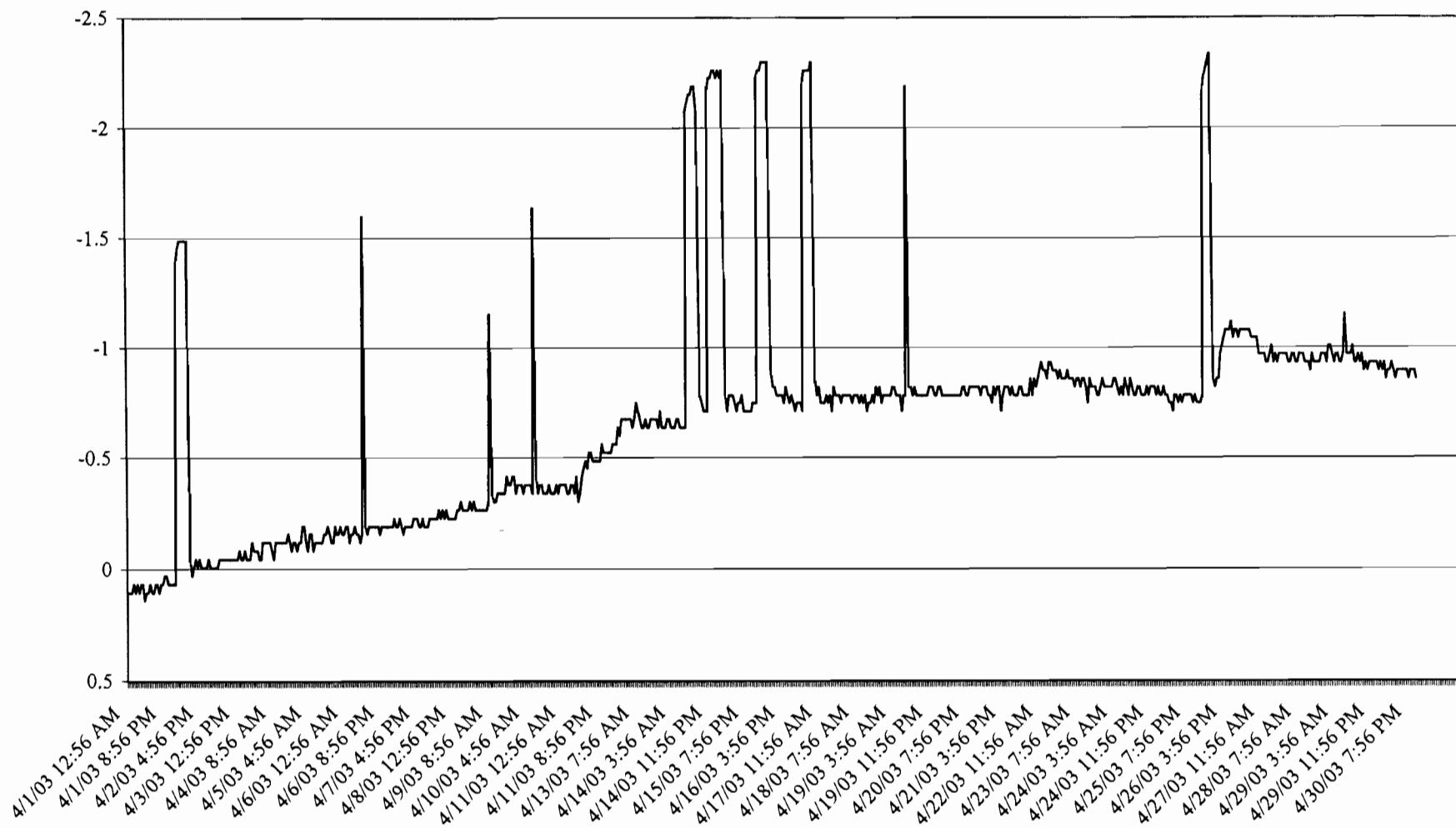
**RW-2 GROUND-WATER DRAWDOWN**  
 (April 1, 2003 through April 30, 2003)





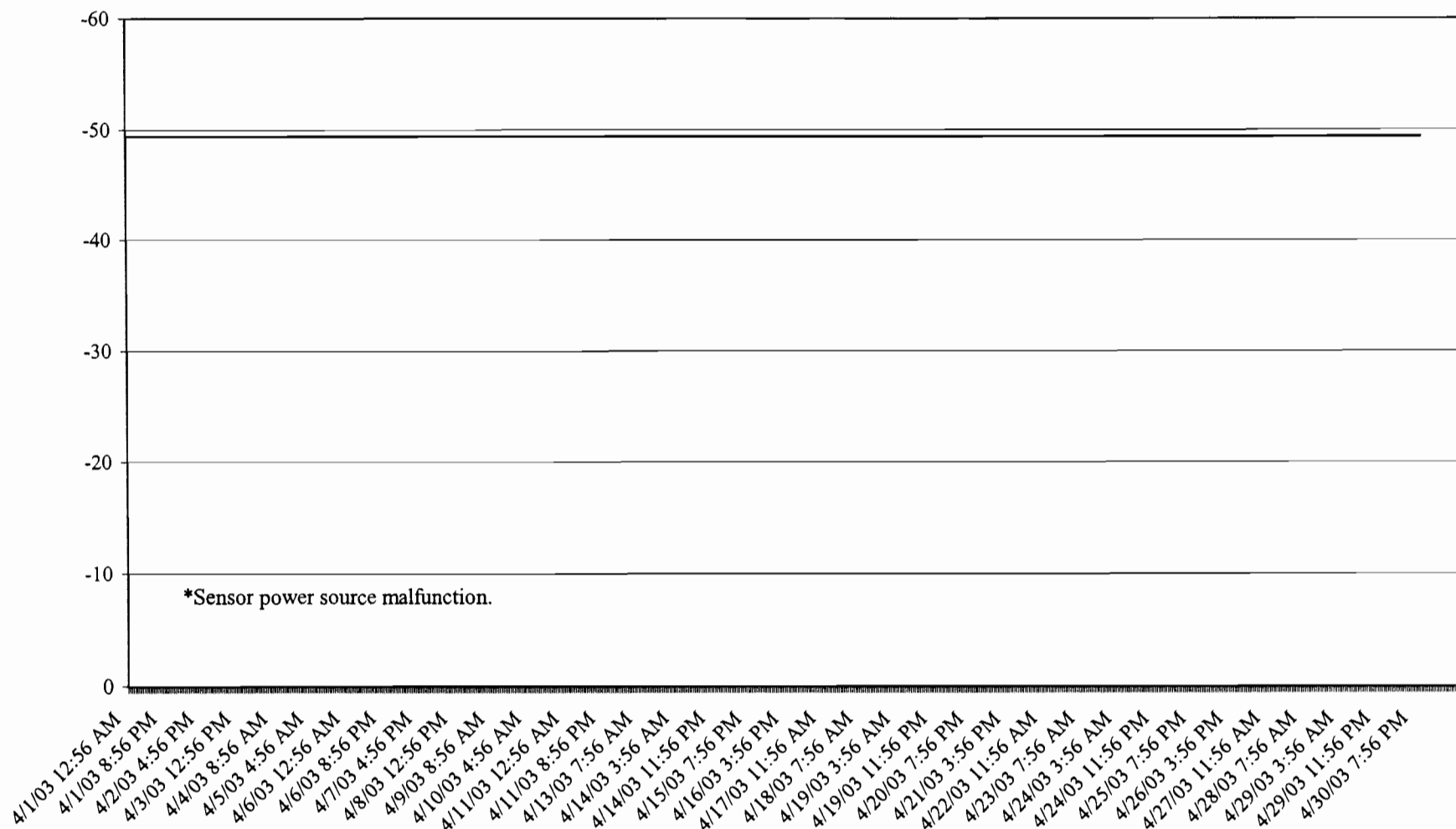
**FIGURE 8**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**RW-3 GROUND-WATER DRAWDOWN**  
 (April 1, 2003 through April 30, 2003)



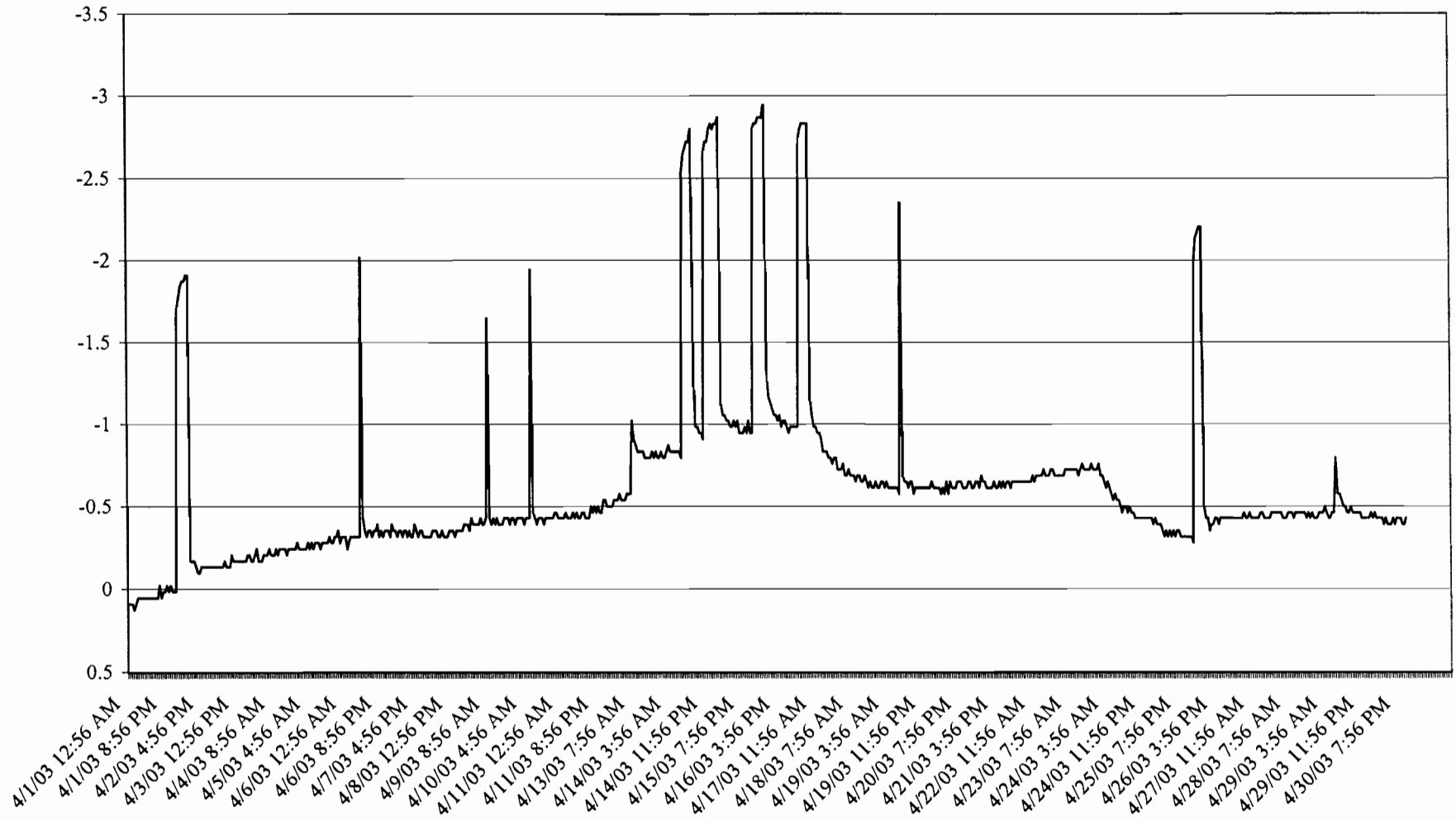
**FIGURE 9**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**RW-4 GROUND-WATER DRAWDOWN**  
 (April 1, 2003 through April 30, 2003)



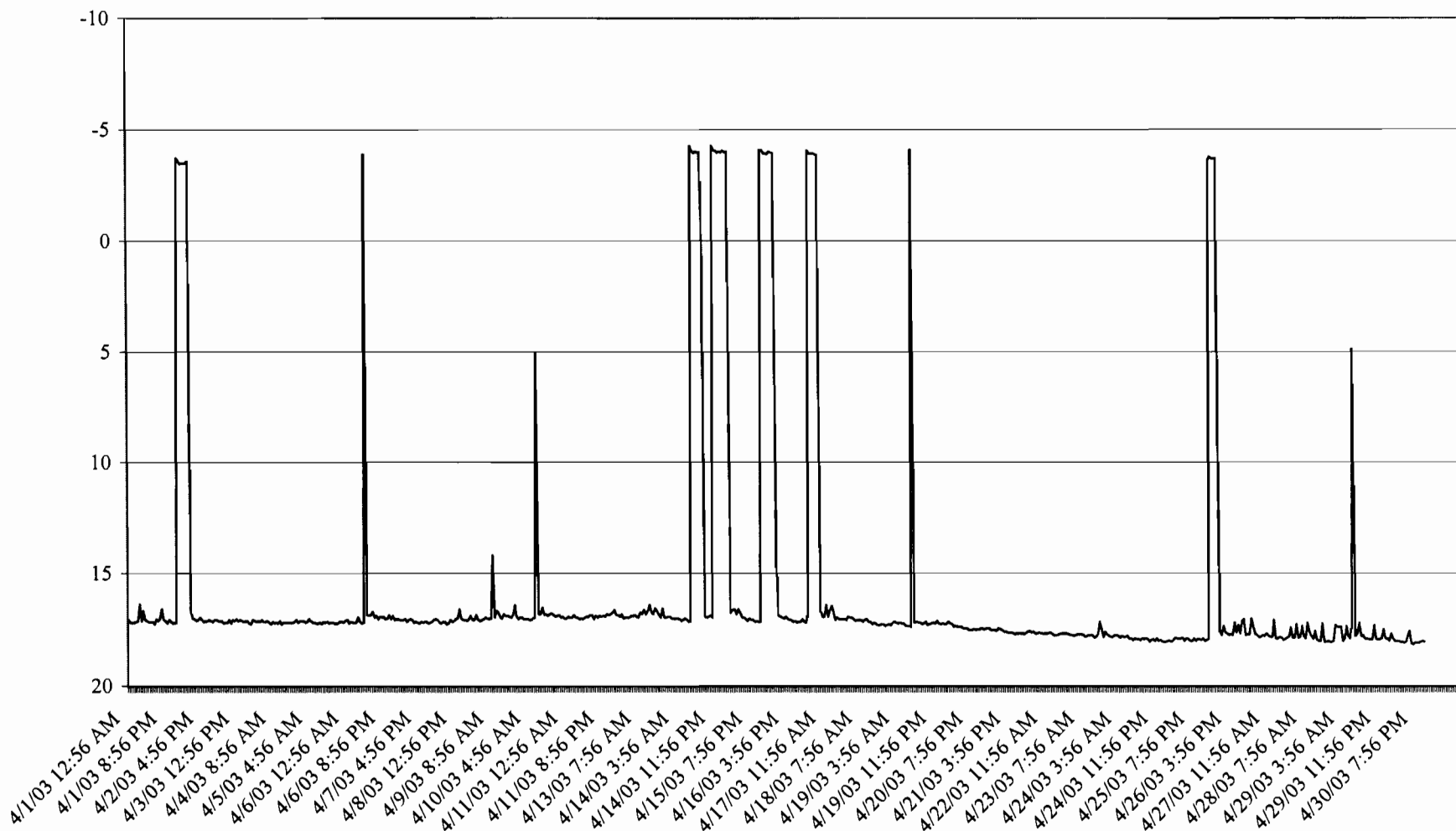
**FIGURE 10**  
GROUND-WATER REMEDIAL ACTION  
ROWE INDUSTRIES SUPERFUND SITE  
SAG HARBOR, NEW YORK

**RW-5 GROUND-WATER DRAWDOWN**  
(April 1, 2003 through April 30, 2003)



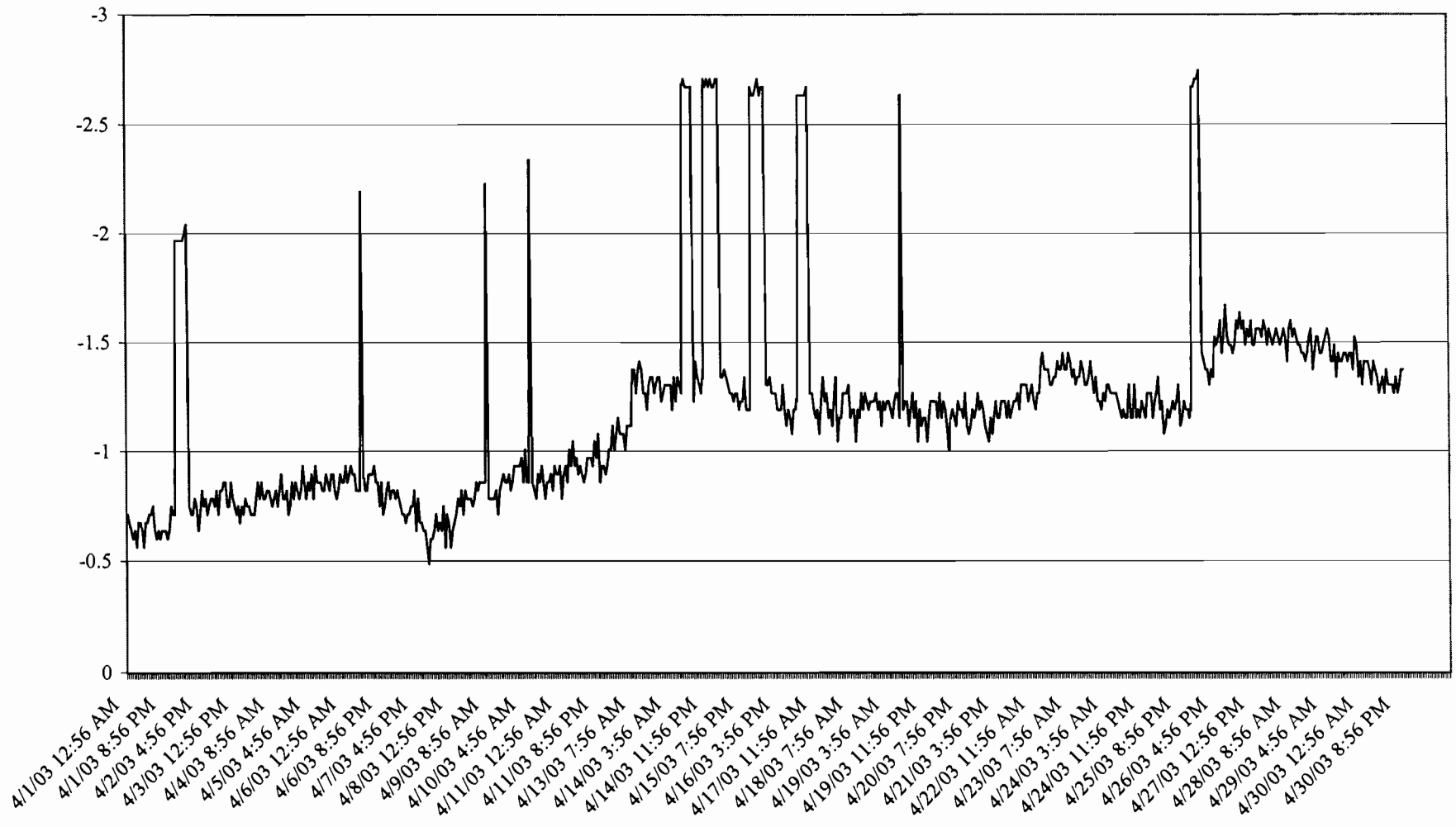
**FIGURE 11**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**RW-6 GROUND-WATER DRAWDOWN**  
 (April 1, 2003 through April 30, 2003)



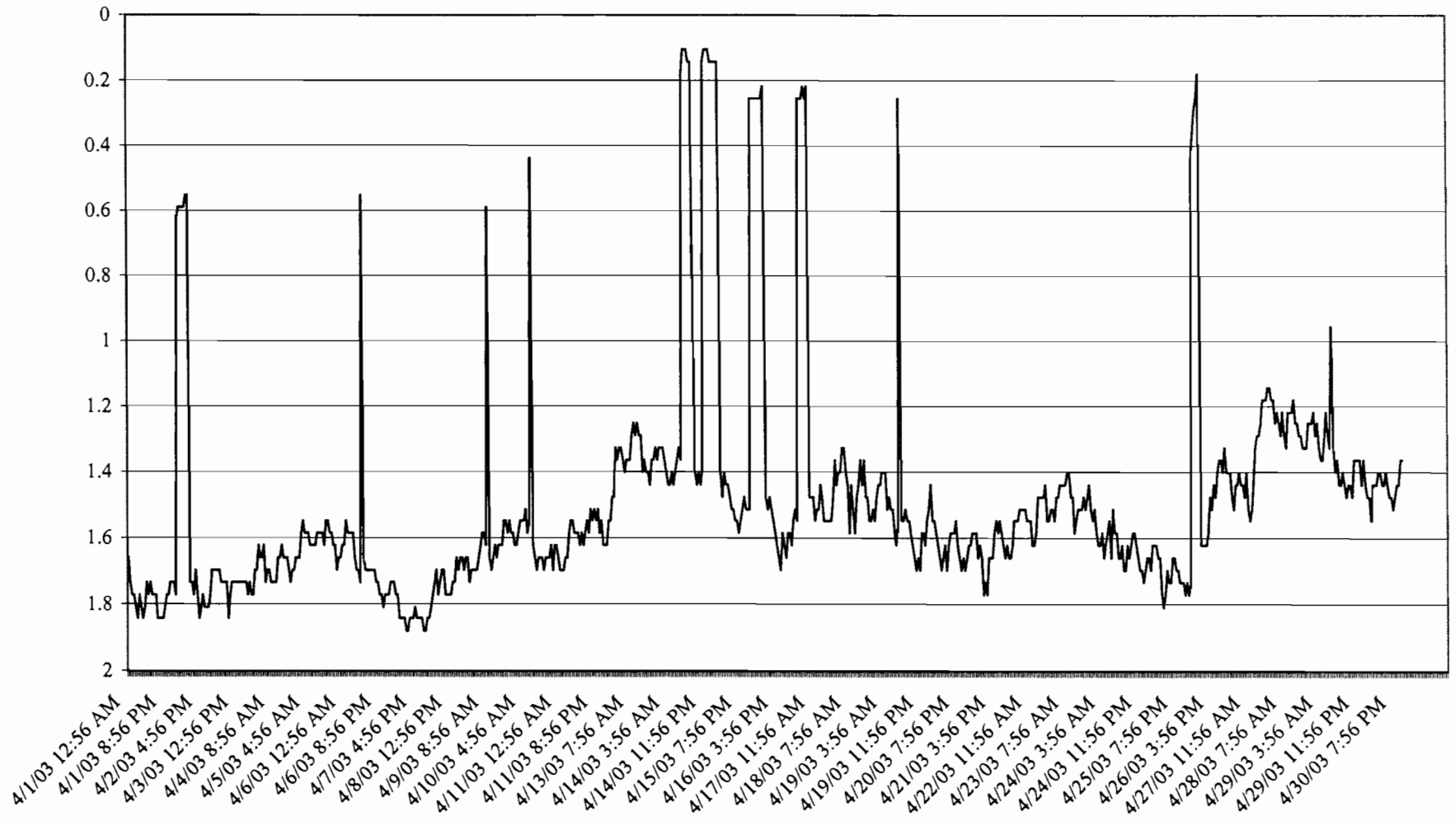
**FIGURE 12**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**RW-7 GROUND-WATER DRAWDOWN**  
 (April 1, 2003 through April 30, 2003)



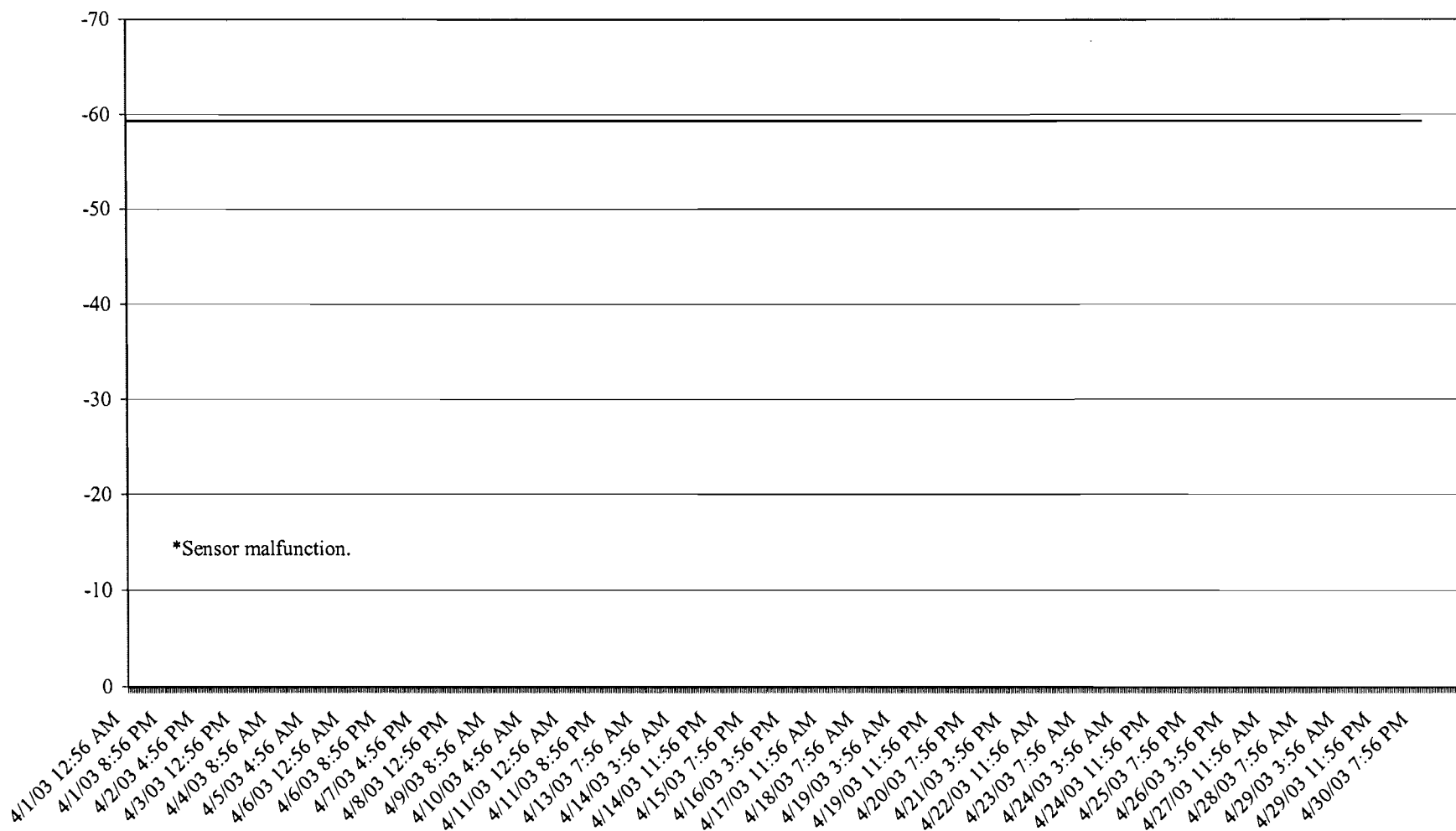
**FIGURE 13**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**RW-8 GROUND-WATER DRAWDOWN**  
 (April 1, 2003 through April 30, 2003)



**FIGURE 14**  
**GROUND-WATER REMEDIAL ACTION**  
**ROWE INDUSTRIES SUPERFUND SITE**  
**SAG HARBOR, NEW YORK**

**RW-9 GROUND-WATER DRAWDOWN**  
 (April 1, 2003 through April 30, 2003)



**APPENDIX I**  
**WEEKLY OPERATIONS REPORTS**



Ground-Water Remedial Action  
Ground-Water Pump and Treat  
Rowe Industries Superfund Site  
SAG HARBOR, NEW YORK

## WEEKLY OPERATIONS REPORT

Report Period: 3/31/03 - 4/7/03  
Report Generated Sunday - Date: 4/7/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4 <sup>2/</sup>	RW5	RW6	RW7	RW8	RW9
Well Status	Dilution/ Conc.	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Flow	gpm	34.77	29.59	29.76	1.92	54.91	34.71	70.00	64.94	89.95
Motor Speed	rpm	1566.00	1682.00	1479.00	1305.00	1624.00	1740.00	1508.00	1740.00	1740.00
Percent Speed	%	89.96	96.63	84.97	74.97	93.30	99.96	86.63	99.96	99.96
Motor Current	amps	1.60	2.80	1.50	2.40	2.80	2.70	6.00	6.40	9.50
Discharge Pressure	psi	17.40	13.79	17.23	0.00	53.29	28.45	35.42	55.53	69.70
Static Groundwater Elev.	ft - MSL	59.88	43.84	18.30	34.01	45.14	38.77	32.48	18.79	12.20
Groundwater Drawdown <sup>1/</sup>	ft	-2.03	4.48	-1.94	-48.76	0.01	18.63	-1.46	1.87	-59.4'

Transfer Pumps					
Process Value	Units	TP 1A	TP 1B	TP 2A	TP2B
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto
Pump Status	on/off	Off	On	Off	On
Run Time	hours	1025	1207	1154	968
Motor Speed	rpm	0.00	1421.00	0.00	1131.00
Percent Speed	%	0.00	81.63	0.00	64.97
Motor Current	amps	0.00	17.10	0.00	16.00
Flow	gpm	476.94		439.33	
Discharge Pressure	psi				
Equalization Tank Level	inches	48.24			
Transfer Tank Level	inches			40.01	
Transfer Tank pH				6.34	
Transfer Tank Conductivity	uS			-3576.06	

Multi-Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	16.98	17.66	5.82
Outlet Pressure	psi	17.41	16.15	3.35
Differential Pressure	psi	-0.43	1.50	2.47

Air Stripper Blowers			
Process Value	Units	AS Blower	Booster B
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	2507.32	3509.42
Discharge Pressure	in WC	7.80	24.36
Motor Current	amps	8.41	23.81
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	367.66	0.00
Basin Level <sup>3/</sup>	inches	37.01	0.71
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding <sup>4/</sup>	ft	21.01	

Notes:

1/ Calculations for groundwater drawdown is incorrect. Drawdown calculated from incorrect reference point.

2/ RW-4 flow incorrect due to sensor power supply malfunction.

3/ Basin level offset not included in basin level reading. Sensor is measuring from bottom of stilling well to water level.

4/ Value is the transducer measurement of the water column above the sensor. Groundwater mounding is approximately 3.30 ft based on previous measurements.

Ground-Water Remedial Action  
Ground-Water Pump and Treat  
Rowe Industries Superfund Site  
SAG HARBOR, NEW YORK

## WEEKLY OPERATIONS REPORT

Report Period: 4/7/03 - 4/14/03  
Report Generated Sunday - Date: 4/14/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4 <sup>2/</sup>	RW5	RW6	RW7	RW8	RW9
Well Status	Dilution/ Conc.	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Flow	gpm	34.82	27.85	30.08	1.92	54.80	35.15	70.00	63.96	88.7
Motor Speed	rpm	1566.00	1740.00	1479.00	1305.00	1624.00	1740.00	1508.00	1740.00	1740.00
Percent Speed	%	89.96	99.96	84.97	74.97	93.30	99.96	86.63	99.96	99.96
Motor Current	amps	1.60	2.80	1.50	2.40	2.90	2.80	6.00	6.20	9.50
Discharge Pressure	psi	17.87	14.83	17.48	0.00	53.13	28.13	36.07	56.01	69.60
Static Groundwater Elev.	ft - MSL	59.88	43.84	18.30	34.01	45.14	38.77	32.48	18.79	12.20
Groundwater Drawdown <sup>1/</sup>	ft	-2.47	3.26	-2.38	-48.76	-0.51	18.63	-1.98	1.53	-59.40

Transfer Pumps					
Process Value	Units	TP 1A	TP 1B	TP 2A	TP2B
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto
Pump Status	on/off	On	On	On	Off
Run Time	hours	1151	1295	1279	994
Motor Speed	rpm	1595.00	1595.00	1131.00	0.00
Percent Speed	%	91.63	91.63	64.97	0.00
Motor Current	amps	14.20	14.40	15.00	0.00
Flow	gpm	467.01		405.02	
Discharge Pressure	psi				
Equalization Tank Level	inches	58.14			
Transfer Tank Level	inches			40.23	
Transfer Tank pH				6.19	
Transfer Tank Conductivity	uS			-6832.88	

Multi-Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	27.10	26.54	0.72
Outlet Pressure	psi	17.03	16.54	-3.83
Differential Pressure	psi	10.07	10.00	4.55

Air Stripper Blowers			
Process Value	Units	AS Blower	Booster B.
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	2487.25	3481.12
Discharge Pressure	in WC	7.87	24.31
Motor Current	amps	8.28	23.57
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	299.60	0.00
Basin Level <sup>3/</sup>	inches	36.64	-0.59
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding <sup>4/</sup>	ft	21.10	

Notes:

- 1/ Calculations for groundwater drawdown is incorrect. Drawdown calculated from incorrect reference point.
- 2/ RW-4 flow incorrect due to sensor power supply malfunction.
- 3/ Basin level offset not included in basin level reading. Sensor is measuring from bottom of stilling well to water level.
- 4/ Value is the transducer measurement of the water column above the sensor. Groundwater mounding is approximately 3.39 ft based on previous measurements.

Ground-Water Remedial Action  
Ground-Water Pump and Treat  
Rowe Industries Superfund Site  
SAG HARBOR, NEW YORK

## WEEKLY OPERATIONS REPORT

Report Period: 4/14/03 - 4/21/03  
Report Generated Sunday - Date: 4/21/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4 <sup>2/</sup>	RW5	RW6	RW7	RW8	RW9
Well Status	Dilution/ Conc.	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Flow	gpm	35.15	25.45	30.03	1.92	55.30	34.93	70.00	62.76	88.50
Motor Speed	rpm	1566.00	1711.00	1479.00	1305.00	1595.00	1711.00	1479.00	1740.00	1740.00
Percent Speed	%	89.96	98.29	84.97	74.97	91.63	98.29	84.97	99.96	99.96
Motor Current	amps	1.60	2.70	1.50	2.40	2.70	2.60	5.80	6.10	9.40
Discharge Pressure	psi	18.27	14.36	17.63	0.00	49.12	26.85	34.14	56.17	69.30
Static Groundwater Elev.	ft - MSL	59.88	43.84	18.30	34.01	45.14	38.77	32.48	18.79	12.20
Groundwater Drawdown <sup>1/</sup>	ft	-2.39	2.48	-2.49	-48.76	-0.28	19.07	-1.83	1.76	-59.40

Transfer Pumps					
Process Value	Units	TP 1A	TP 1B	TP 2A	TP 2B
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto
Pump Status	on/off	On	Off	On	Off
Run Time	hours	1288	1311	1417	994
Motor Speed	rpm	1479.00	0.00	1131.00	0.00
Percent Speed	%	84.97	0.00	64.97	0.00
Motor Current	amps	17.40	0.00	15.10	0.00
Flow	gpm	492.61		418.57	
Discharge Pressure	psi				
Equalization Tank Level	inches	54.20			
Transfer Tank Level	inches			40.23	
Transfer Tank pH				6.35	
Transfer Tank Conductivity	uS			-2045.75	

Multi-Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	21.61	22.30	23.93
Outlet Pressure	psi	16.83	16.34	15.06
Differential Pressure	psi	4.77	5.96	8.87

Air Stripper Blowers			
Process Value	Units	AS Blower	Booster B
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	2517.04	3522.89
Discharge Pressure	in WC	7.41	24.63
Motor Current	amps	7.97	22.96
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	355.02	0.00
Basin Level <sup>3/</sup>	inches	37.01	-0.22
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding <sup>4/</sup>	ft	21.68	

Notes:

1/ Calculations for groundwater drawdown is incorrect. Drawdown calculated from incorrect reference point.

2/ RW-4 flow incorrect due to sensor power supply malfunction.

3/ Basin level offset not included in basin level reading. Sensor is measuring from bottom of stilling well to water level.

4/ Value is the transducer measurement of the water column above the sensor. Groundwater mounding is approximately 3.39 ft based on previous measurements.

Ground-Water Remedial Action  
Ground-Water Pump and Treat  
Rowe Industries Superfund Site  
SAG HARBOR, NEW YORK

## WEEKLY OPERATIONS REPORT

Report Period: 4/21/03 - 4/28/03  
Report Generated Sunday - Date: 4/28/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4 <sup>2/</sup>	RW5	RW6	RW7	RW8	RW9
Well Status	Dilution/ Conc.	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Flow	gpm	35.20	18.80	30.25	1.92	54.91	35.04	70.17	57.53	87.22
Motor Speed	rpm	1566.00	1740.00	1479.00	1305.00	1595.00	1711.00	1479.00	1740.00	1740.00
Percent Speed	%	89.96	99.96	84.97	74.97	91.63	98.29	84.97	99.96	99.96
Motor Current	amps	1.60	2.60	1.50	2.40	2.80	2.80	5.80	6.10	9.40
Discharge Pressure	psi	17.71	14.75	18.04	0.00	52.33	28.21	35.10	56.66	70.11
Static Groundwater Elev.	ft - MSL	59.88	43.84	18.30	34.01	45.14	38.77	32.48	18.79	12.21
Groundwater Drawdown <sup>1/</sup>	ft	-2.62	1.41	-2.64	-48.76	-0.10	19.33	-2.20	1.31	-59.41

Transfer Pumps					
Process Value	Units	TP 1A	TP 1B	TP 2A	TP2B
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto
Pump Status	on/off	Off	On	On	Off
Run Time	hours	1406	1377	1580	994
Motor Speed	rpm	0.00	1479.00	1131.00	0.00
Percent Speed	%	0.00	84.97	64.97	0.00
Motor Current	amps	0.00	17.40	15.10	0.00
Flow	gpm	484.21		421.59	
Discharge Pressure	psi				
Equalization Tank Level	inches	54.18			
Transfer Tank Level	inches			40.01	
Transfer Tank pH				6.32	
Transfer Tank Conductivity	uS			-2108.53	

Multi - Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	20.97	21.24	3.52
Outlet Pressure	psi	17.32	16.61	2.37
Differential Pressure	psi	3.65	4.63	1.15

Air Stripper Blowers			
Process Value	Units	AS Blower	Booster B
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	2418.74	3478.85
Discharge Pressure	in WC	7.30	24.45
Motor Current	amps	8.09	23.16
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	347.98	0.00
Basin Level <sup>3/</sup>	inches	37.19	0.47
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding <sup>4/</sup>	ft	21.76	

Notes:

1/ Calculations for groundwater drawdown is incorrect. Drawdown calculated from incorrect reference point.

2/ RW-4 flow incorrect due to sensor power supply malfunction.

3/ Basin level offset not included in basin level reading. Sensor is measuring from bottom of stilling well to water level.

4/ Value is the transducer measurement of the water column above the sensor. Groundwater mounding is approximately 4.05 ft based on previous measurements.

**APPENDIX II**  
**CALCULATIONS OF VOC RECOVERY BY GROUND-WATER SYSTEM**

**APPENDIX II****GROUND-WATER REMEDIAL ACTION  
ROWE INDUSTRIES SUPERFUND SITE  
SAG HARBOR, NEW YORK****CALCULATION OF VOC RECOVERY BY THE GROUND-WATER RECOVERY SYSTEM**

Calculated by: Laura R. Zima

Checked by: Alfred N. Kovalik

**STATEMENT OF PROBLEM:**

Calculate the quantity of VOCs recovered from the ground-water recovery system. VOC concentrations are from samples collected from system influent. Concentrations reported as below the method detection limit are shown as 0.

**PROBLEM CONSTRAINTS:**

Date	PCE (ug/l)	TCE (ug/l)	TCA (ug/l)	cis-1,2-dichloroethene (ug/l)	Isopropyl benzene (ug/l)	Chloroform (ug/l)	Toluene (ug/l)
11/26/02 - 3/28/03	955	34.1	27.9	1.1	0	1.5	0
4/3/03	55	1.9	1.4	0	0	0	0
4/23/03	59	1.6	1.3	0	0	0	0

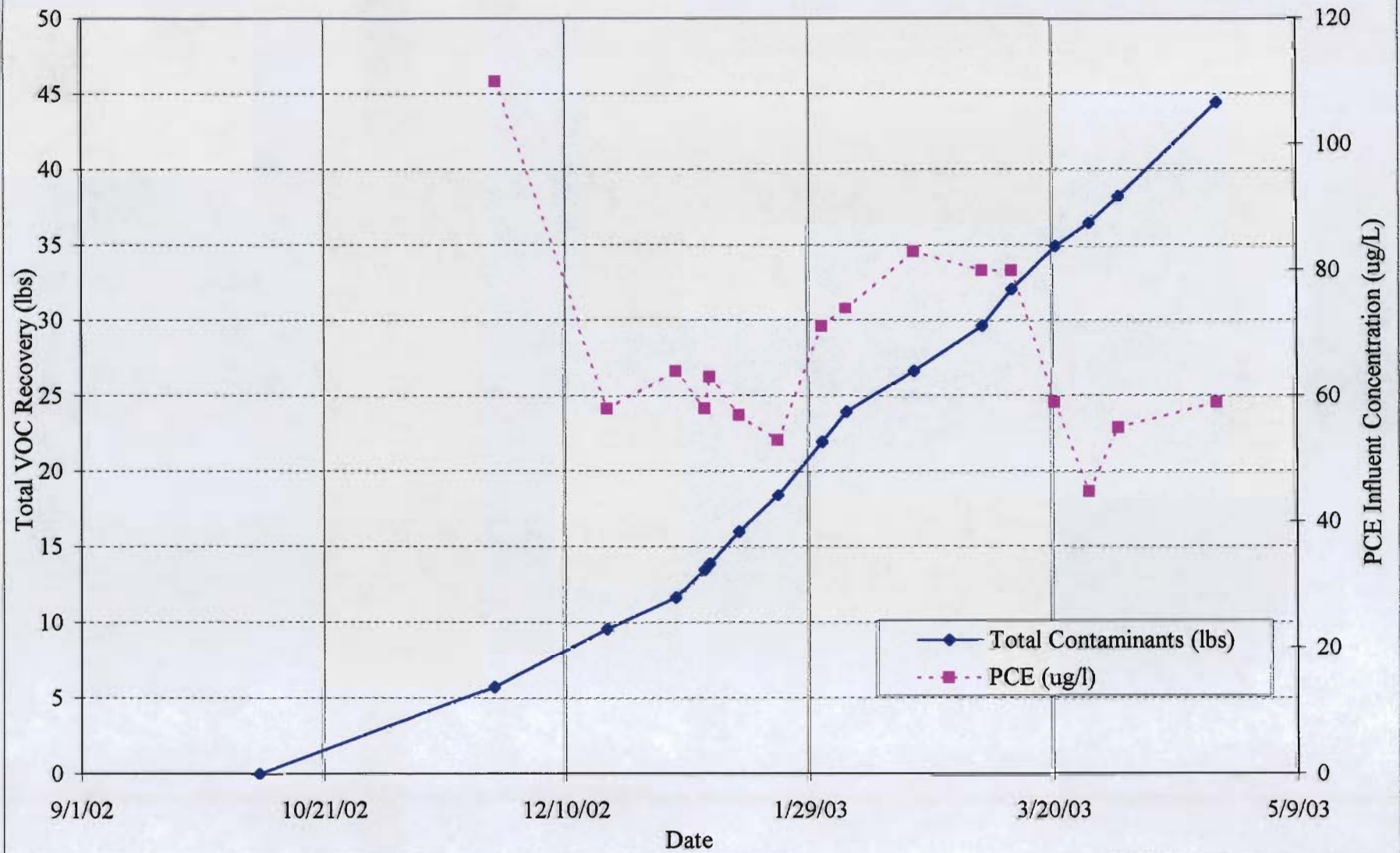
**CALCULATION:**

Recovery (lbs) = Concentration (ug/l) x Volume Pumped (gal) x 1 lb/453,590,000 ug x 3.785 l/gal

Date	Volume Pumped (gal)	PCE (lbs)	TCE (lbs)	TCA (lbs)	cis-1,2-dichloroethene (lbs)	Isopropyl benzene (lbs)	Chloroform (lbs)	Toluene (lbs)	Total Contaminants (lbs)	Cumulative VOC's (lbs)
11/26/02 - 3/28/03	59,735,310	34.2	1.2	1.0	0.05	0	0.04	0	36.5	34.9
4/3/03	3,600,090	1.7	0.1	0	0	0	0	0	1.8	38.2
4/23/03	11,970,440	5.9	0.2	0.1	0	0	0	0	6.2	44.4
<b>Totals:</b>	<b>75,305,840</b>	<b>41.8</b>	<b>1.4</b>	<b>1.1</b>	<b>0.05</b>	<b>0</b>	<b>0.04</b>	<b>0</b>	<b>44.4</b>	<b>-</b>

Note: Equalization tank totalizer meter reading recorded on 11/26/02 includes groundwater pumped during the Initial Testing Program.

Cumulative VOC Recovery by Ground-Water System vs. Time



**APPENDIX III**  
**JANUARY 2003 LABORATORY ANALYTICAL REPORTS**



# American Analytical Laboratories, Inc.

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-01A

**Client Sample ID:** WQ04030309:00NP2-6  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		<b>Analyst: LDS</b>		
1,1,1,2-Tetrachloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,1,1-Trichloroethane	1.4	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,1,2-Trichloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,1-Dichloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,1-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,1-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2,3-Trichloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2-Dibromoethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2-Dichloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,2-Dichloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,3-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,3-dichloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
1,4-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
2,2-Dichloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
2-Butanone	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
2-Chlorotoluene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
2-Hexanone	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
4-Chlorotoluene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
4-Isopropyltoluene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
4-Methyl-2-pentanone	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Acetone	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Benzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Bromobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Bromochloromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Bromodichloromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Bromoform	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Bromomethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Carbon disulfide	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Carbon tetrachloride	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Chlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Chloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-01A

**Client Sample ID:** WQ04030309:00NP2-6  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>				<b>SW8260B</b>		<b>Analyst: LDS</b>
Chloroform	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Chloromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Dibromochloromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Dibromomethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Dichlorodifluoromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Ethylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Hexachlorobutadiene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Isopropylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
m,p-Xylene	< 2.0	2.0	H	µg/L	1	4/18/2003 11:48:00 AM
Methyl tert-butyl ether	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Methylene chloride	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Naphthalene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
n-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
n-Propylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
o-Xylene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
sec-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Styrene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
tert-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Tetrachloroethene	55	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Toluene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Trichloroethene	1.9	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Trichlorofluoromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Vinyl acetate	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM
Vinyl chloride	< 1.0	1.0	H	µg/L	1	4/18/2003 11:48:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-01B

**Client Sample ID:** WQ04030309:00NP2-6  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>			<b>E200.7</b>			<b>Analyst: JP</b>
Iron	1.79	0.0200		mg/L	1	4/22/2003 12:44:33 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-01C

**Client Sample ID:** WQ04030309:00NP2-6  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>			<b>E200.7</b>			Analyst: JP
Iron	0.0375	0.0200		mg/L	1	4/22/2003 12:24:03 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-02A

**Client Sample ID:** WQ04030309:00NP2-7  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,1,1-Trichloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,1,2-Trichloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,1-Dichloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,1-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,1-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2,3-Trichloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2-Dibromoethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2-Dichloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,2-Dichloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,3-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,3-dichloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
1,4-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
2,2-Dichloropropane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
2-Butanone	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
2-Chlorotoluene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
2-Hexanone	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
4-Chlorotoluene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
4-Isopropyltoluene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
4-Methyl-2-pentanone	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Acetone	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Benzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Bromobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Bromochloromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Bromodichloromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Bromoform	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Bromomethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Carbon disulfide	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Carbon tetrachloride	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Chlorobenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Chloroethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-02A

**Client Sample ID:** WQ04030309:00NP2-7  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
Chloroform	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Chloromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Dibromochloromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Dibromomethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Dichlorodifluoromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Ethylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Hexachlorobutadiene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Isopropylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
m,p-Xylene	< 2.0	2.0	H	µg/L	1	4/18/2003 12:26:00 PM
Methyl tert-butyl ether	0.6	1.0	JH	µg/L	1	4/18/2003 12:26:00 PM
Methylene chloride	0.6	1.0	JH	µg/L	1	4/18/2003 12:26:00 PM
Naphthalene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
n-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
n-Propylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
o-Xylene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
sec-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Styrene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
tert-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Tetrachloroethene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Toluene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Trichloroethene	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Trichlorofluoromethane	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Vinyl acetate	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM
Vinyl chloride	< 1.0	1.0	H	µg/L	1	4/18/2003 12:26:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-02B

**Client Sample ID:** WQ04030309:00NP2-7  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>			<b>E200.7</b>			Analyst: JP
Iron	2.01	0.0200		mg/L	1	4/22/2003 12:46:47 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-02C

**Client Sample ID:** WQ04030309:00NP2-7  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: JP
Iron	0.161	0.0200		mg/L	1	4/22/2003 12:26:30 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



# American Analytical Laboratories, Inc.

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-03A

**Client Sample ID:** WQ04030309:00NP2-10  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,1,1-Trichloroethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,1,2-Trichloroethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,1-Dichloroethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,1-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,1-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2,3-Trichloropropane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2-Dibromoethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2-Dichloroethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,2-Dichloropropane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,3-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,3-dichloropropane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
1,4-Dichlorobenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
2,2-Dichloropropane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
2-Butanone	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
2-Chlorotoluene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
2-Hexanone	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
4-Chlorotoluene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
4-Isopropyltoluene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
4-Methyl-2-pentanone	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Acetone	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Benzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Bromobenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Bromochloromethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Bromodichloromethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Bromoform	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Bromomethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Carbon disulfide	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Carbon tetrachloride	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Chlorobenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Chloroethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304057  
**Project:** Rowe Industries  
**Lab ID:** 0304057-03A

**Client Sample ID:** WQ04030309:00NP2-10  
**Tag Number:**  
**Collection Date:** 4/3/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
Chloroform	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Chloromethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Dibromochloromethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Dibromomethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Dichlorodifluoromethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Ethylbenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Hexachlorobutadiene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Isopropylbenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
m,p-Xylene	< 2.0	2.0	H	µg/L	1	4/19/2003 7:54:00 AM
Methyl tert-butyl ether	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Methylene chloride	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Naphthalene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
n-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
n-Propylbenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
o-Xylene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
sec-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Styrene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
tert-Butylbenzene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Tetrachloroethene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Toluene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Trichloroethene	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Trichlorofluoromethane	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Vinyl acetate	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM
Vinyl chloride	< 1.0	1.0	H	µg/L	1	4/19/2003 7:54:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 25-Apr-03

**CLIENT:** Legette Brashears & Graham Inc.**Client Sample ID:** WQ04030309:00NP2-10**Lab Order:** 0304057**Tag Number:****Project:** Rowe Industries**Collection Date:** 4/3/2003**Lab ID:** 0304057-03B**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>			<b>E200.7</b>			Analyst: <b>JP</b>
Iron	0.227	0.0200		mg/L	1	4/22/2003 12:49:12 PM

**Qualifiers:**

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**American Analytical Laboratories, Inc.**

Date: 25-Apr-03

CLIENT: Legette Brashears &amp; Graham Inc.

Client Sample ID: WQ04030309:00NP2-10

Lab Order: 0304057

Tag Number:

Project: Rowe Industries

Collection Date: 4/3/2003

Lab ID: 0304057-03C

Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON			E200.7			Analyst: JP
Iron	0.334	0.0200		mg/L	1	4/22/2003 12:28:40 PM

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 25-Apr-03

CLIENT: Legette Brashears &amp; Graham Inc.

Client Sample ID: WQ04030309:00NP2-10

Lab Order: 0304057

Tag Number:

Project: Rowe Industries

Collection Date: 4/3/2003

Lab ID: 0304057-03D

Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	120	0	H	mg/L	1	4/21/2003

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-01A

**Client Sample ID:** WQ042303:1130NP2-6  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,1,1-Trichloroethane	1.3	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
2-Butanone	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
2-Hexanone	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Acetone	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-01A

**Client Sample ID:** WQ042303:1130NP2-6  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		<b>Analyst: LDS</b>		
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 2:06:00 AM
Methyl tert-butyl ether	1.7	1.0		µg/L	1	4/26/2003 2:06:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Tetrachloroethene	59	1.0		µg/L	1	4/26/2003 2:06:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Trichloroethene	1.6	1.0		µg/L	1	4/26/2003 2:06:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 2:06:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-01B

**Client Sample ID:** WQ042303:1130NP2-6  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>			<b>E200.7</b>			<b>Analyst: KK</b>
Iron	0.0650	0.0200		mg/L	1	4/28/2003 11:07:48 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**American Analytical Laboratories, Inc.**

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-01C

**Client Sample ID:** WQ042303:1130NP2-6  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	0.0070	0.0200	J	mg/L	1	4/28/2003 11:00:30 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 01-May-03

CLIENT: Legette Brashears & Graham Inc.  
 Lab Order: 0304094  
 Project: Rowe Industries Sag Harbor, N.Y.  
 Lab ID: 0304094-02A

Client Sample ID: WQ042303:1135NP2-7  
 Tag Number:  
 Collection Date: 4/23/2003  
 Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
2-Butanone	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
2-Hexanone	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Acetone	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-02A

**Client Sample ID:** WQ042303:1135NP2-7  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 2:46:00 AM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Trichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 2:46:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-02B

**Client Sample ID:** WQ042303:1135NP2-7  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>			<b>E200.7</b>			<b>Analyst: KK</b>
Iron	3.72	0.0200		mg/L	1	4/28/2003 11:04:08 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.****Date:** 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-02C

**Client Sample ID:** WQ042303:1135NP2-7  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>			<b>E200.7</b>			Analyst: <b>KK</b>
Iron	0.202	0.0200		mg/L	1	4/28/2003 10:10:24 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-03A

**Client Sample ID:** WQ040203:1140NP2-10  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
2-Butanone	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
2-Hexanone	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Acetone	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-03A

**Client Sample ID:** WQ040203:1140NP2-10  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 8260 PLUS MTBE &amp; FREON1</b>		<b>SW8260B</b>		Analyst: LDS		
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 3:25:00 AM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Trichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 3:25:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-03B

**Client Sample ID:** WQ040203:1140NP2-10  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Iron	0.119	0.0200		mg/L	1	4/28/2003 11:21:40 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**American Analytical Laboratories, Inc.****Date:** 01-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304094  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304094-03C

**Client Sample ID:** WQ040203:1140NP2-10  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON			E200.7			Analyst: <b>KK</b>
Iron	0.125	0.0200		mg/L	1	4/28/2003 11:15:02 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 01-May-03

CLIENT: Legette Brashears &amp; Graham Inc.

Client Sample ID: WQ040203:1140NP2-10

Lab Order: 0304094

Tag Number:

Project: Rowe Industries Sag Harbor, N.Y.

Collection Date: 4/23/2003

Lab ID: 0304094-03D

Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	85	0		mg/L	1	4/28/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-01A

**Client Sample ID:** GWQ042303:1145NP1-1-1  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Chloroform	1.2	1.0		µg/L	1	4/26/2003 6:40:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-01A

**Client Sample ID:** GWQ042303:1145NP1-1-1  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 6:40:00 AM
Methyl tert-butyl ether	8.6	1.0		µg/L	1	4/26/2003 6:40:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Trichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 6:40:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-01B

**Client Sample ID:** GWQ042303:1145NP1-1-1  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	0.0530	0.0200		mg/L	1	4/28/2003
<b>HARDNESS</b>		<b>M2340 B</b>				Analyst: KK
Hardness, Calcium/Magnesium (As CaCO3)	40.7	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.208	0.0200		mg/L	1	4/28/2003 11:25:33 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-01C

**Client Sample ID:** GWQ042303:1145NP1-1-1  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	< 0.0200	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.201	0.0200		mg/L	1	4/28/2003 10:17:09 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: KK
Specific Conductance	196	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	110	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: KK
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-02A

**Client Sample ID:** GWQ042303:1150NP1-1-2  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-02A

**Client Sample ID:** GWQ042303:1150NP1-1-2  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 8:34:00 AM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Tetrachloroethene	14	1.0		µg/L	1	4/26/2003 8:34:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Trichloroethene	1.3	1.0		µg/L	1	4/26/2003 8:34:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 8:34:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-02B

**Client Sample ID:** GWQ042303:1150NP1-1-2  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	6.31	0.0200		mg/L	1	4/28/2003
<b>HARDNESS</b>		<b>M2340 B</b>				Analyst: KK
Hardness, Calcium/Magnesium (As CaCO3)	45.9	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>		<b>E200.7</b>				Analyst: KK
Manganese	1.79	0.0200		mg/L	1	4/28/2003 11:29:47 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-02C

**Client Sample ID:** GWQ042303:1150NP1-1-2  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Iron	0.212	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Manganese	1.68	0.0200		mg/L	1	4/28/2003 10:20:44 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: <b>KK</b>
Specific Conductance	198	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: <b>BK</b>
Total Dissolved Solids (Residue, Filterable)	88	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: <b>KK</b>
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

CLIENT: Legette Brashears & Graham Inc.  
 Lab Order: 0304095  
 Project: Rowe Industries Sag Harbor, N.Y.  
 Lab ID: 0304095-03A

Client Sample ID: GWQ042303:1155NP1-1-3  
 Tag Number:  
 Collection Date: 4/23/2003  
 Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-03A

**Client Sample ID:** GWQ042303:1155NP1-1-3  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		<b>Analyst: LDS</b>		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 9:11:00 AM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Tetrachloroethene	1.1	1.0		µg/L	1	4/26/2003 9:11:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Trichloroethene	1.2	1.0		µg/L	1	4/26/2003 9:11:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 9:11:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-03B

**Client Sample ID:** GWQ042303:1155NP1-1-3  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Iron	1.81	0.0200		mg/L	1	4/28/2003
<b>HARDNESS</b>		<b>M2340 B</b>				Analyst: <b>KK</b>
Hardness, Calcium/Magnesium (As CaCO3)	37.7	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Manganese	0.167	0.0200		mg/L	1	4/28/2003 11:39:25 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-03C

**Client Sample ID:** GWQ042303:1155NP1-1-3  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Iron	0.395	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Manganese	0.154	0.0200		mg/L	1	4/28/2003 10:23:55 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: <b>KK</b>
Specific Conductance	152	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: <b>BK</b>
Total Dissolved Solids (Residue, Filterable)	65	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: <b>KK</b>
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-04A

**Client Sample ID:** GWQ042303:1200NP1-1-4  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-04A

**Client Sample ID:** GWQ042303:1200NP1-1-4  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 9:48:00 AM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Tetrachloroethene	110	1.0		µg/L	1	4/26/2003 9:48:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Trichloroethene	3.1	1.0		µg/L	1	4/26/2003 9:48:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 9:48:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-04B

**Client Sample ID:** GWQ042303:1200NP1-1-4  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	3.18	0.0200		mg/L	1	4/28/2003
<b>HARDNESS</b>		<b>M2340 B</b>				Analyst: KK
Hardness, Calcium/Magnesium (As CaCO3)	41.2	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>		<b>E200.7</b>				Analyst: KK
Manganese	1.51	0.0200		mg/L	1	4/28/2003 11:44:06 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-04C

**Client Sample ID:** GWQ042303:1200NP1-1-4  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Iron	0.136	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Manganese	1.45	0.0200		mg/L	1	4/28/2003 10:28:40 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: <b>KK</b>
Specific Conductance	246	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: <b>BK</b>
Total Dissolved Solids (Residue, Filterable)	100	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: <b>KK</b>
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-05A

**Client Sample ID:** GWQ042303:1205NP1-1-5  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-05A

**Client Sample ID:** GWQ042303:1205NP1-1-5  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 10:24:00 AM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Tetrachloroethene	12	1.0		µg/L	1	4/26/2003 10:24:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Trichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 10:24:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-05B

**Client Sample ID:** GWQ042303:1205NP1-1-5  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	0.0680	0.0200		mg/L	1	4/28/2003
<b>HARDNESS</b>		<b>M2340 B</b>				Analyst: KK
Hardness, Calcium/Magnesium (As CaCO3)	31.8	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.011	0.0200	J	mg/L	1	4/28/2003 11:48:10 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-05C

**Client Sample ID:** GWQ042303:1205NP1-1-5  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Iron	< 0.0200	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: <b>KK</b>
Manganese	0.012	0.0200	J	mg/L	1	4/28/2003 10:31:48 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: <b>KK</b>
Specific Conductance	222	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: <b>BK</b>
Total Dissolved Solids (Residue, Filterable)	120	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: <b>KK</b>
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

CLIENT: Legette Brashears & Graham Inc.  
Lab Order: 0304095  
Project: Rowe Industries Sag Harbor, N.Y.  
Lab ID: 0304095-06A

Client Sample ID: GWQ042303:1210NP1-1-6  
Tag Number:  
Collection Date: 4/23/2003  
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-06A

**Client Sample ID:** GWQ042303:1210NP1-1-6  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		<b>Analyst: LDS</b>		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 11:01:00 AM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Tetrachloroethene	79	1.0		µg/L	1	4/26/2003 11:01:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Trichloroethene	1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 11:01:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-06B

**Client Sample ID:** GWQ042303:1210NP1-1-6  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	0.0280	0.0200		mg/L	1	4/28/2003
<b>HARDNESS</b>		<b>M2340 B</b>				Analyst: KK
Hardness, Calcium/Magnesium (As CaCO3)	44.4	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.380	0.0200		mg/L	1	4/28/2003 11:51:26 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-06C

**Client Sample ID:** GWQ042303:1210NP1-1-6  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	< 0.0200	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.353	0.0200		mg/L	1	4/28/2003 10:41:12 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: KK
Specific Conductance	279	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	140	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: KK
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-07A

**Client Sample ID:** GWQ042303:1215NP1-1-7  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-07A

**Client Sample ID:** GWQ042303:1215NP1-1-7  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		<b>Analyst: LDS</b>		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 11:38:00 AM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Tetrachloroethene	100	1.0		µg/L	1	4/26/2003 11:38:00 AM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Trichloroethene	1.8	1.0		µg/L	1	4/26/2003 11:38:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 11:38:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

CLIENT: Legette Brashears &amp; Graham Inc.

Client Sample ID: GWQ042303:1215NP1-1-7

Lab Order: 0304095

Tag Number:

Project: Rowe Industries Sag Harbor, N.Y.

Collection Date: 4/23/2003

Lab ID: 0304095-07B

Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	0.016	0.0200	J	mg/L	1	4/28/2003
<b>HARDNESS</b>		<b>M2340 B</b>				Analyst: KK
Hardness, Calcium/Magnesium (As CaCO <sub>3</sub> )	37.3	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.120	0.0200		mg/L	1	4/28/2003 11:54:14 AM

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-07C

**Client Sample ID:** GWQ042303:1215NP1-1-7  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	< 0.0200	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.113	0.0200		mg/L	1	4/28/2003 10:44:18 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: KK
Specific Conductance	215	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	110	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: KK
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

CLIENT: Legette Brashears & Graham Inc.  
Lab Order: 0304095  
Project: Rowe Industries Sag Harbor, N.Y.  
Lab ID: 0304095-08A

Client Sample ID: GWQ042303:1220NP1-1-8  
Tag Number:  
Collection Date: 4/23/2003  
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,1,1-Trichloroethane	1.8	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-08A

**Client Sample ID:** GWQ042303:1220NP1-1-8  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		<b>Analyst: LDS</b>		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 12:15:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Tetrachloroethene	41	1.0		µg/L	1	4/26/2003 12:15:00 PM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Trichloroethene	2.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 12:15:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-08B

**Client Sample ID:** GWQ042303:1220NP1-1-8  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	11.8	0.0200		mg/L	1	4/28/2003
<b>HARDNESS</b>		<b>M2340 B</b>				Analyst: KK
Hardness, Calcium/Magnesium (As CaCO3)	22.5	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.487	0.0200		mg/L	1	4/28/2003 11:57:11 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-08C

**Client Sample ID:** GWQ042303:1220NP1-1-8  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	0.352	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.440	0.0200		mg/L	1	4/28/2003 10:46:55 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: KK
Specific Conductance	128	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	76	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: KK
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-09A

**Client Sample ID:** GWQ042303:1225NP1-1-9  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		Analyst: LDS		
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,1,1-Trichloroethane	1.8	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Benzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Bromoform	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Chloroform	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-09A

**Client Sample ID:** GWQ042303:1225NP1-1-9  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES SW-846 METHOD 8021 PLUS MTBE</b>		<b>SW8021B</b>		<b>Analyst: LDS</b>		
Dibromomethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	4/26/2003 12:52:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Styrene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Tetrachloroethene	15	1.0		µg/L	1	4/26/2003 12:52:00 PM
Toluene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Trichloroethene	1.2	1.0		µg/L	1	4/26/2003 12:52:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/26/2003 12:52:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**American Analytical Laboratories, Inc.**

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-09B

**Client Sample ID:** GWQ042303:1225NP1-1-9  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TOTAL IRON</b>			<b>E200.7</b>			Analyst: KK
Iron	3.55	0.0200		mg/L	1	4/28/2003
<b>HARDNESS</b>			<b>M2340 B</b>			Analyst: KK
Hardness, Calcium/Magnesium (As CaCO3)	26.7	10.0		mg/L	1	5/1/2003
<b>MANGANESE, TOTAL</b>			<b>E200.7</b>			Analyst: KK
Manganese	0.932	0.0200		mg/L	1	4/28/2003 12:01:13 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# American Analytical Laboratories, Inc.

Date: 02-May-03

**CLIENT:** Legette Brashears & Graham Inc.  
**Lab Order:** 0304095  
**Project:** Rowe Industries Sag Harbor, N.Y.  
**Lab ID:** 0304095-09C

**Client Sample ID:** GWQ042303:1225NP1-1-9  
**Tag Number:**  
**Collection Date:** 4/23/2003  
**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>DISSOLVED IRON</b>		<b>E200.7</b>				Analyst: KK
Iron	1.97	0.0200		mg/L	1	4/28/2003
<b>MANGANESE, DISSOLVED</b>		<b>E200.7</b>				Analyst: KK
Manganese	0.901	0.0200		mg/L	1	4/28/2003 10:50:53 AM
<b>SPECIFIC CONDUCTANCE</b>		<b>E120.1</b>				Analyst: KK
Specific Conductance	148	0		µmhos/cm	1	5/1/2003
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	75	0		mg/L	1	4/28/2003
<b>TURBIDITY</b>		<b>E180.1</b>				Analyst: KK
Turbidity	< 1.00	1.00		NTU	1	4/25/2003

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

STL Connecticut		Form 1		Client Sample ID		AQ04090309:42NP4-1	
Method: T01/T02		Lab Sample ID		203410-1			
Sample Volume (L)		0.100		Date Sampled		4/9/2003	
Temp (C)		25		Date Analyzed		4/21/2003	
Compound	nL/L (ppbv/v) Qualifier	RL	mg/M3 Qualifier	RL			
Chloromethane	96.8 U	96.8	0.200 U	0.200			
Vinyl Chloride	78.3 U	78.3	0.200 U	0.200			
Bromomethane	51.5 U	51.5	0.200 U	0.200			
Chloroethane	75.8 U	75.8	0.200 U	0.200			
1,1-Dichloroethene	25.2 U	25.2	0.100 U	0.100			
Carbon Disulfide	32.1 U	32.1	0.100 U	0.100			
Methylene Chloride	28.8 U	28.8	0.100 U	0.100			
trans-1,2-Dichloroethene	25.5 U	25.5	0.100 U	0.100			
1,1-Dichloroethane	24.7 U	24.7	0.100 U	0.100			
cis-1,2-Dichloroethene	25.5 U	25.5	0.100 U	0.100			
Chloroform	20.5 U	20.5	0.100 U	0.100			
1,1,1-Trichloroethane	18.4 U	18.4	0.100 U	0.100			
Carbon Tetrachloride	15.9 U	15.9	0.100 U	0.100			
Benzene	31.3 U	31.3	0.100 U	0.100			
1,2-Dichloroethane	24.7 U	24.7	0.100 U	0.100			
Trichloroethene	18.7 U	18.7	0.100 U	0.100			
1,2-Dichloropropane	21.6 U	21.6	0.100 U	0.100			
Bromodichloromethane	14.9 U	14.9	0.100 U	0.100			
cis-1,3-Dichloropropene	22.0 U	22.0	0.100 U	0.100			
Toluene	26.6 U	26.6	0.100 U	0.100			
trans-1,3-Dichloropropene	22.0 U	22.0	0.100 U	0.100			
1,1,2-Trichloroethane	18.4 U	18.4	0.100 U	0.100			
Tetrachloroethene	106.1	14.7	0.720	0.100			
Dibromochloromethane	11.8 U	11.8	0.100 U	0.100			
Chlorobenzene	21.6 U	21.6	0.100 U	0.100			
Ethylbenzene	23.1 U	23.1	0.100 U	0.100			
m&p-Xylenes	23.1 U	23.1	0.100 U	0.100			
o-Xylene	23.1 U	23.1	0.100 U	0.100			
Styrene	23.5 U	23.5	0.100 U	0.100			
Bromoform	9.7 U	9.7	0.100 U	0.100			
1,1,2,2-Tetrachloroethane	14.6 U	14.6	0.100 U	0.100			

00000003

STL Connecticut		Form 1	
		Client Sample ID	AQ04090309:43NP4-2
Method: T01/T02		Lab Sample ID	203410-2
Sample Volume (L)	1.000	Date Sampled	4/9/2003
Temp (C)	25	Date Analyzed	4/21/2003
		nL/L	
Compound	(ppbv/v) Qualifier	RL	mg/M3 Qualifier RL
Chloromethane	9.7 U	9.7	0.020 U 0.020
Vinyl Chloride	7.8 U	7.8	0.020 U 0.020
Bromomethane	1.5 JB	5.1	0.006 JB 0.020
Chloroethane	7.6 U	7.6	0.020 U 0.020
1,1-Dichloroethene	2.5	2.5	0.010 0.010
Carbon Disulfide	6.1	3.2	0.019 0.010
Methylene Chloride	23.3	2.9	0.081 0.010
trans-1,2-Dichloroethene	2.5 U	2.5	0.010 U 0.010
1,1-Dichloroethane	4.0	2.5	0.016 0.010
cis-1,2-Dichloroethene	1.5 J	2.5	0.006 J 0.010
Chloroform	2.3	2.1	0.011 0.010
1,1,1-Trichloroethane	9.0	1.8	0.049 0.010
Carbon Tetrachloride	1.6 U	1.6	0.010 U 0.010
Benzene	0.3 J	3.1	0.001 J 0.010
1,2-Dichloroethane	2.5 U	2.5	0.010 U 0.010
Trichloroethene	0.6 J	1.9	0.003 J 0.010
1,2-Dichloropropane	2.2 U	2.2	0.010 U 0.010
Bromodichloromethane	1.5 U	1.5	0.010 U 0.010
cis-1,3-Dichloropropene	2.2 U	2.2	0.010 U 0.010
Toluene	2.1 J	2.7	0.008 J 0.010
trans-1,3-Dichloropropene	2.2 U	2.2	0.010 U 0.010
1,1,2-Trichloroethane	1.8 U	1.8	0.010 U 0.010
Tetrachloroethene	0.9 J	1.5	0.006 J 0.010
Dibromochloromethane	1.2 U	1.2	0.010 U 0.010
Chlorobenzene	2.2 U	2.2	0.010 U 0.010
Ethylbenzene	2.3 U	2.3	0.010 U 0.010
m&p-Xylenes	0.9 J	2.3	0.004 J 0.010
o-Xylene	2.3 U	2.3	0.010 U 0.010
Styrene	2.4 U	2.4	0.010 U 0.010
Bromoform	1.0 U	1.0	0.010 U 0.010
1,1,2,2-Tetrachloroethane	1.5 U	1.5	0.010 U 0.010



STL Connecticut		Form 1	
		Client Sample ID	AQ04090309:44NP4-3
Method: T01/T02		Lab Sample ID	203410-3
Sample Volume (L)	1.000	Date Sampled	4/9/2003
Temp (C)	25	Date Analyzed	4/21/2003
nL/L			
Compound	(ppbv/v) Qualifier	RL	mg/M3 Qualifier RL
Chloromethane	9.7 U	9.7	0.020 U 0.020
Vinyl Chloride	7.8 U	7.8	0.020 U 0.020
Bromomethane	4.4 JB	5.1	0.017 JB 0.020
Chloroethane	7.6 U	7.6	0.020 U 0.020
1,1-Dichloroethene	2.5	2.5	0.010 0.010
Carbon Disulfide	6.1	3.2	0.019 0.010
Methylene Chloride	6.6	2.9	0.023 0.010
trans-1,2-Dichloroethene	2.5 U	2.5	0.010 U 0.010
1,1-Dichloroethane	4.2	2.5	0.017 0.010
cis-1,2-Dichloroethene	2.5 U	2.5	0.010 U 0.010
Chloroform	1.8 J	2.1	0.009 J 0.010
1,1,1-Trichloroethane	3.7	1.8	0.020 0.010
Carbon Tetrachloride	1.6 U	1.6	0.010 U 0.010
Benzene	3.1 U	3.1	0.010 U 0.010
1,2-Dichloroethane	2.5 U	2.5	0.010 U 0.010
Trichloroethene	1.9 U	1.9	0.010 U 0.010
1,2-Dichloropropane	2.2 U	2.2	0.010 U 0.010
Bromodichloromethane	1.5 U	1.5	0.010 U 0.010
cis-1,3-Dichloropropene	2.2 U	2.2	0.010 U 0.010
Toluene	1.3 J	2.7	0.005 J 0.010
trans-1,3-Dichloropropene	2.2 U	2.2	0.010 U 0.010
1,1,2-Trichloroethane	1.8 U	1.8	0.010 U 0.010
Tetrachloroethene	1.5 U	1.5	0.010 U 0.010
Dibromochloromethane	1.2 U	1.2	0.010 U 0.010
Chlorobenzene	2.2 U	2.2	0.010 U 0.010
Ethylbenzene	2.3 U	2.3	0.010 U 0.010
m&p-Xylenes	0.5 J	2.3	0.002 J 0.010
o-Xylene	2.3 U	2.3	0.010 U 0.010
Styrene	2.4 U	2.4	0.010 U 0.010
Bromoform	1.0 U	1.0	0.010 U 0.010
1,1,2,2-Tetrachloroethane	1.5 U	1.5	0.010 U 0.010

0000005

**APPENDIX IV**  
**CALCULATION OF VOC EMISSIONS FROM CARBON UNITS**

**APPENDIX IV****GROUND-WATER REMEDIAL ACTION  
ROWE INDUSTRIES SUPERFUND SITE  
SAG HARBOR, NEW YORK****CALCULATION OF VOLATILE ORGANIC COMPOUNDS DISCHARGED FROM  
VAPOR-PHASE CARBON UNITS**

Calculated by: Laura R. Zima

Checked by: Alfred N. Kovalik

**STATEMENT OF PROBLEM:**

Calculate the quantity of VOCs discharged from the vapor-phase carbon units based on vapor concentrations and flow rates.

**PROBLEM CONSTRAINTS:**

Emission Limits: Total VOCs = 0.022 lb/hr

(Acceptable stack discharge concentrations for meeting AgC concentrations at property boundary are included in table below. Allowable concentrations calculated in Appendix IV of the December report.)

Date	PCE (mg/m <sup>3</sup> )	TCE (mg/m <sup>3</sup> )	Toluene (mg/m <sup>3</sup> )	Benzene (mg/m <sup>3</sup> )	Chloroform (mg/m <sup>3</sup> )	m&p- Xylenes (mg/m <sup>3</sup> )
Allowable Conc.	0.0068	0.041	NE	NE	2.1	NE
12/19/02	0	0	0.045	0.006	0.001	0.006
1/9/03	0.001	0	0.060	0	0	0.004
2/20/03	0	0	0.015	0	0	0
3/12/03	0	0	0.010	0.002	0.006	0.002
4/9/03	0	0	0.005	0.000	0.009	0.002

Date	Methylene Chloride (mg/m <sup>3</sup> )	o-Xylene (mg/m <sup>3</sup> )	Chloro- methane (mg/m <sup>3</sup> )	Carbon Disulfide (mg/m <sup>3</sup> )	Styrene (mg/m <sup>3</sup> )	Total VOCs (mg/m <sup>3</sup> )
Allowable Conc.	NE	NE	NE	NE	NE	NA
12/19/03	0.022	0	0	0	0	0.082
1/9/03	0.018	0	0	0	0	0.083
2/20/03	0	0	0	0	0	0.015
3/12/03	0	0	0	0.003	0	0.023
4/9/03	0.023	0	0	0.019	0	0.058

NE : Not Established for Site  
 - : Not Collected  
 0 : Less than the laboratory method detection limit.  
 NA : Not Applicable

**CALCULATION:**

$$VOC\ Emissions(lb/hr) = C \cdot Q \cdot \frac{60\ min}{hr} \cdot \frac{1\ m^3}{35.31\ ft^3} \cdot \frac{1\ lb}{453,600\ mg}$$

where, Q is the air flowrate in standard cubic feet per minute (scfm) and

C is the VOC concentration in mg/m<sup>3</sup>

Date	Operating Time (hours)	Vapor Flow Rate (scfm)*	VOC Vapor Conc. (mg/m <sup>3</sup> )	VOC Emissions (lb/hr)	VOC Emissions (lb)
12/17/02	---	---	---	---	---
12/19/02	48	3,359	0.082	0.0010	0.050
1/9/03	504	3,532	0.083	0.0011	0.553
2/20/03	1,008	3,415	0.015	0.00019	0.193
3/12/03	480	3,447	0.023	0.00030	0.143
4/9/03	672	3,490	0.058	0.00076	0.510
Total					1.449

\* : Average vapor flow rate used.

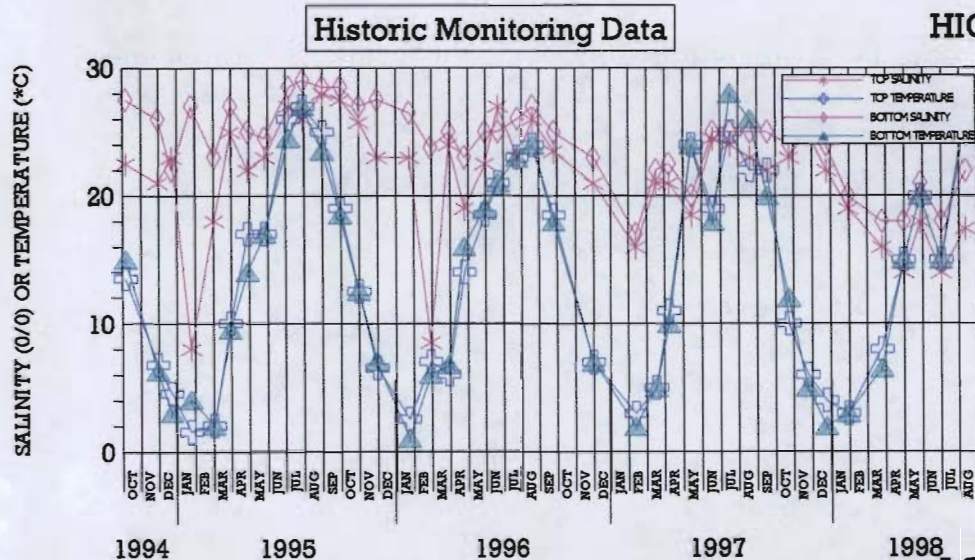
**CONCLUSIONS:**

Emissions from the carbon units were below the VOC emission limit of 0.022 lbs/hr. Concentrations of PCE, TCE and chloroform at the stack were also below the allowable emission rates of those compounds corresponding to the AgC at the property line.

**APPENDIX V**  
**TEMPERATURE AND SALINITY GRAPHS**

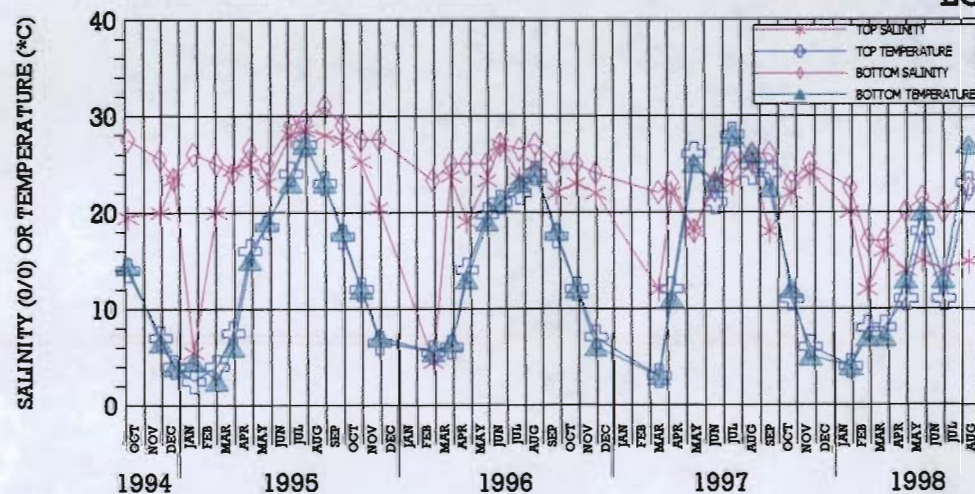
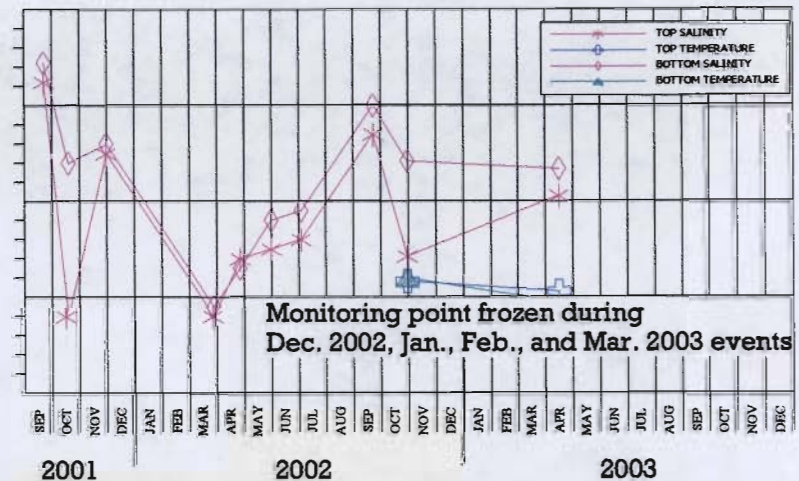
# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS  
FOR MONITORING POINT S-8  
DURING HIGH AND LOW TIDES

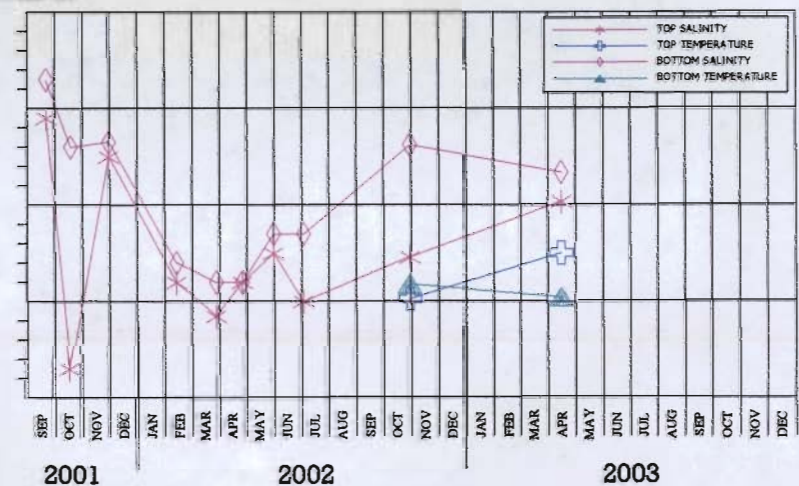


**HIGH TIDE**

**Current Monitoring Data**



**LOW TIDE**



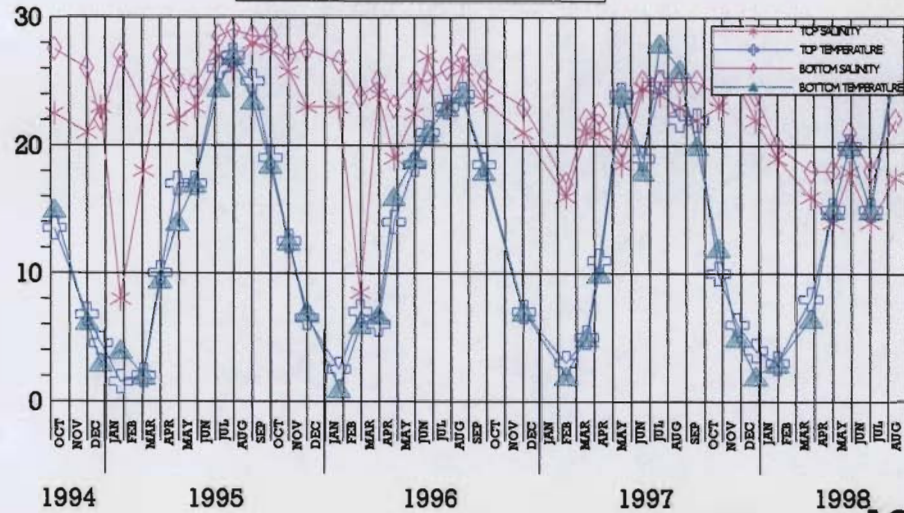


# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS  
FOR MONITORING POINT S-8  
DURING HIGH AND LOW TIDES

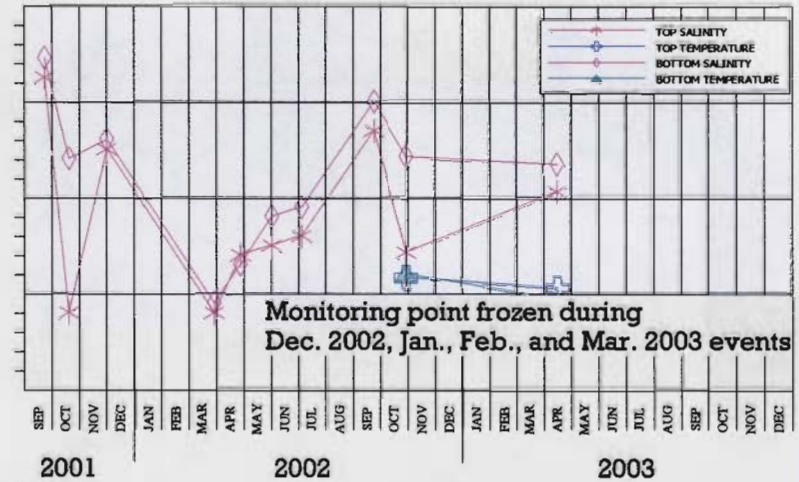
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Historic Monitoring Data



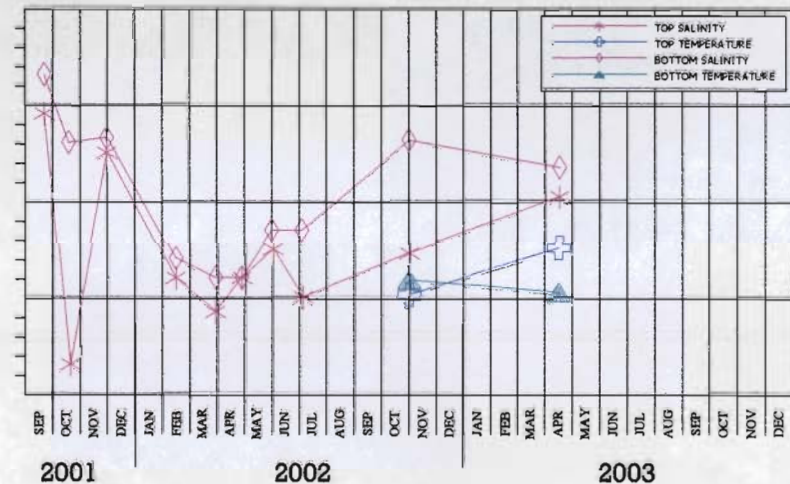
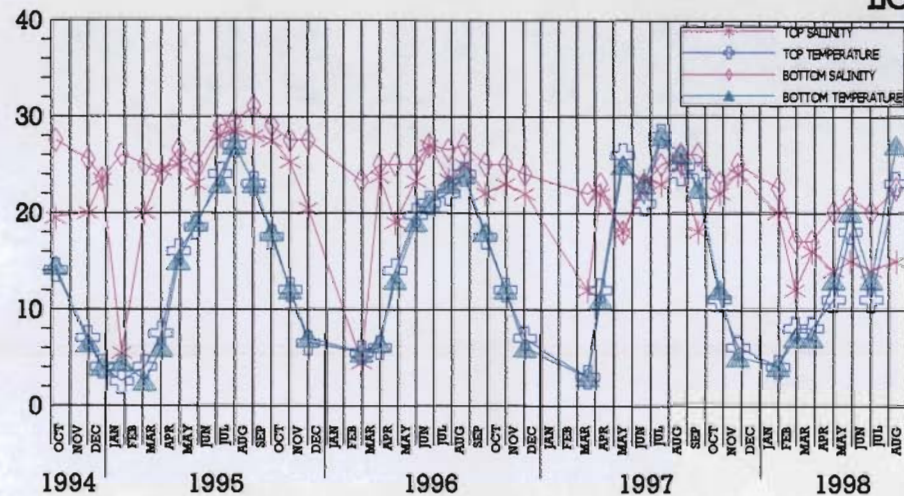
HIGH TIDE

Current Monitoring Data



LOW TIDE

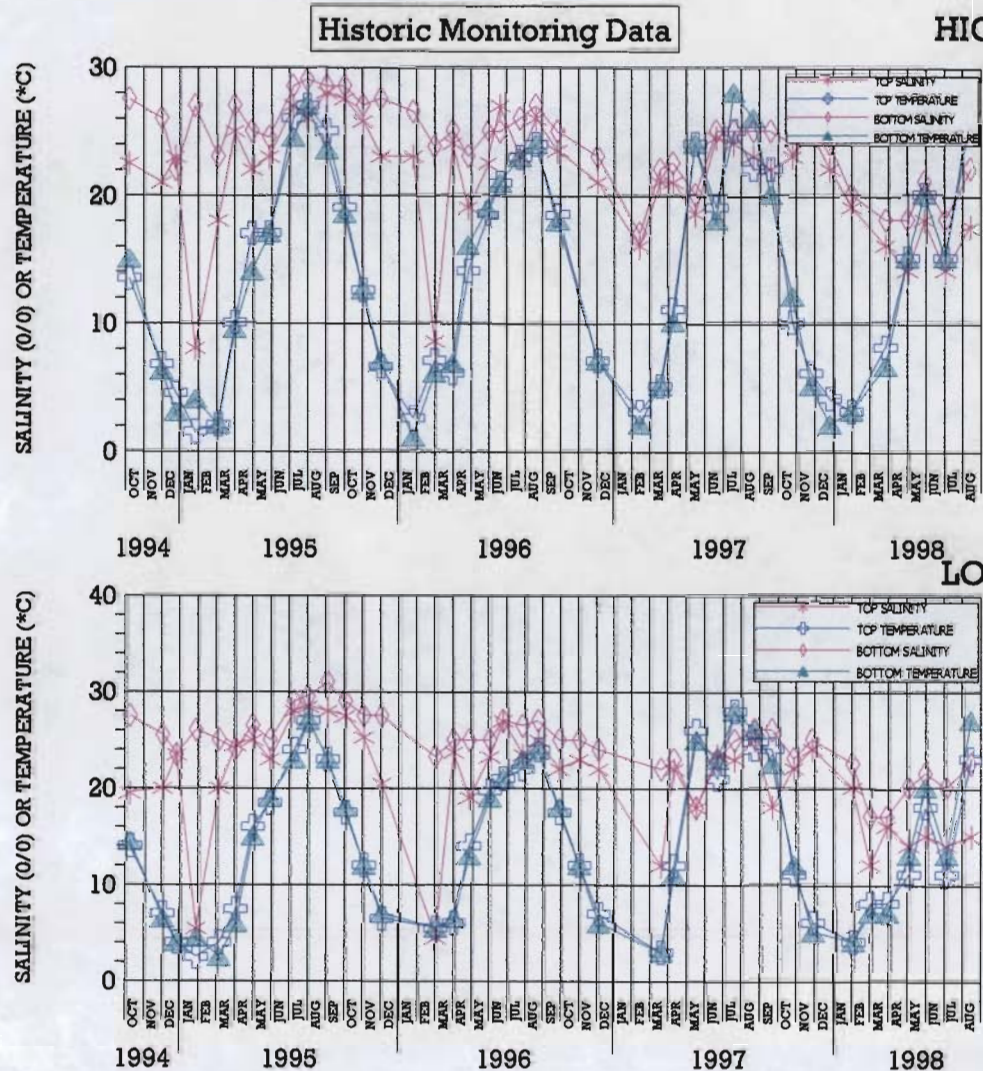
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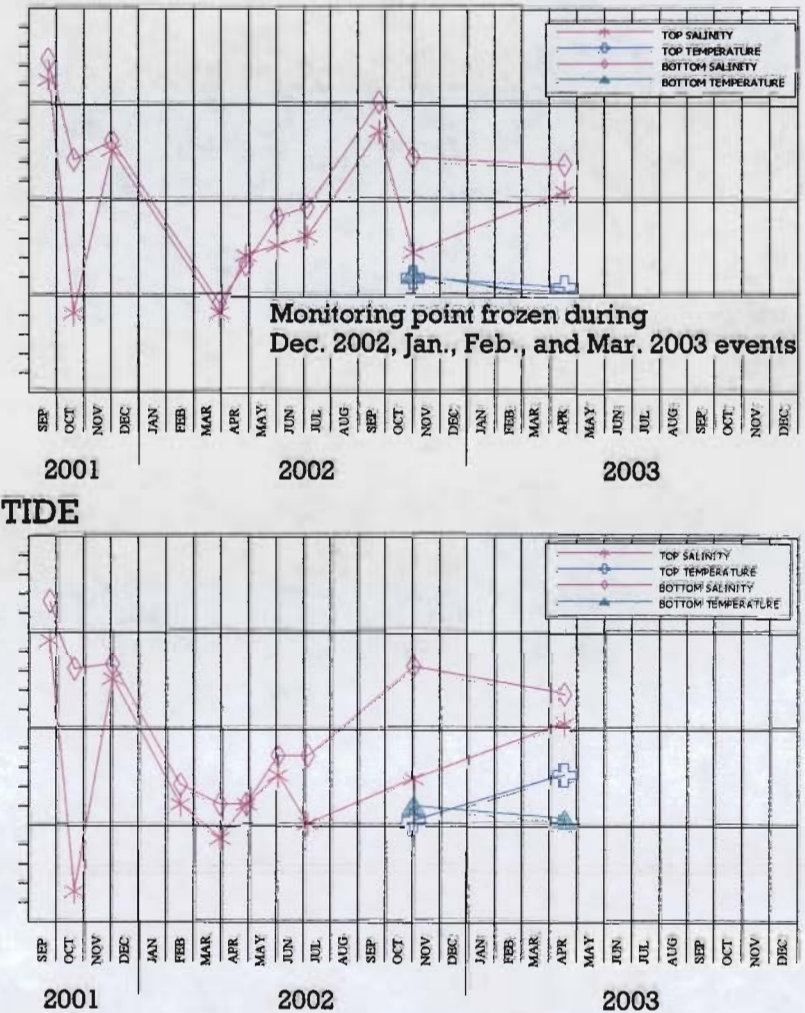
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TEMPERATURE AND SALINITY MEASUREMENTS  
FOR MONITORING POINT S-8  
DURING HIGH AND LOW TIDES



**HIGH TIDE**

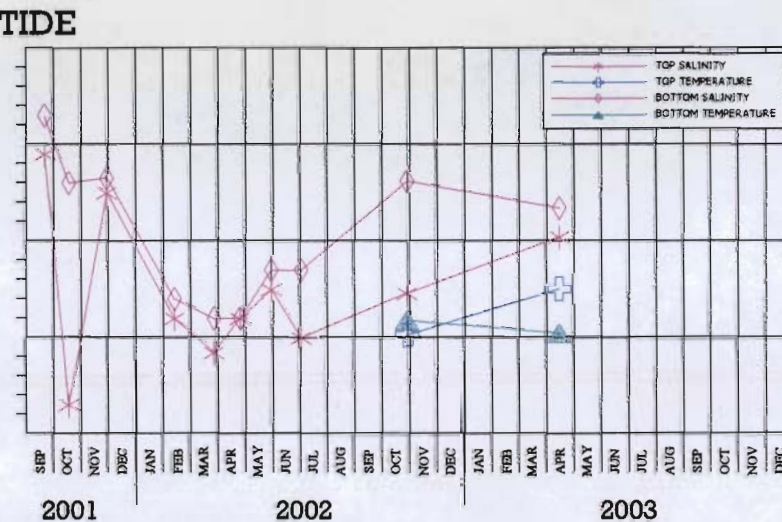
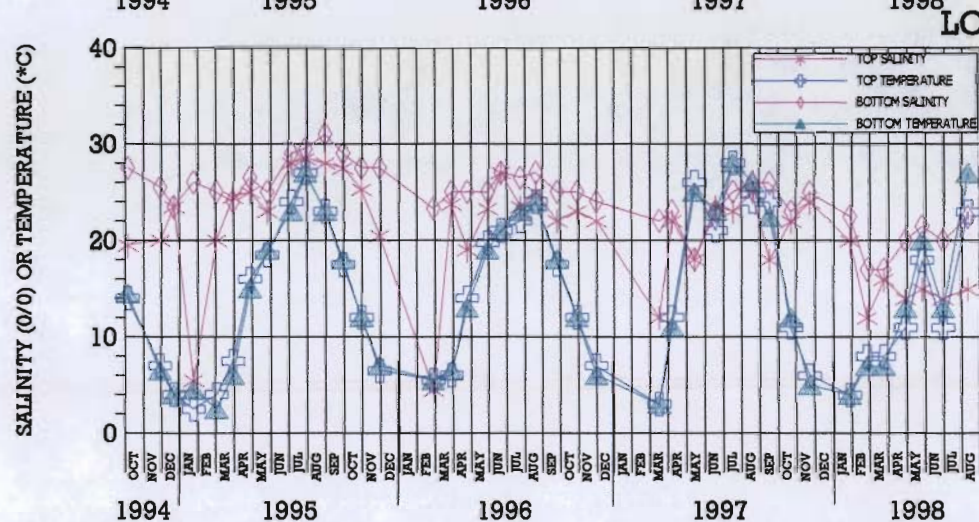
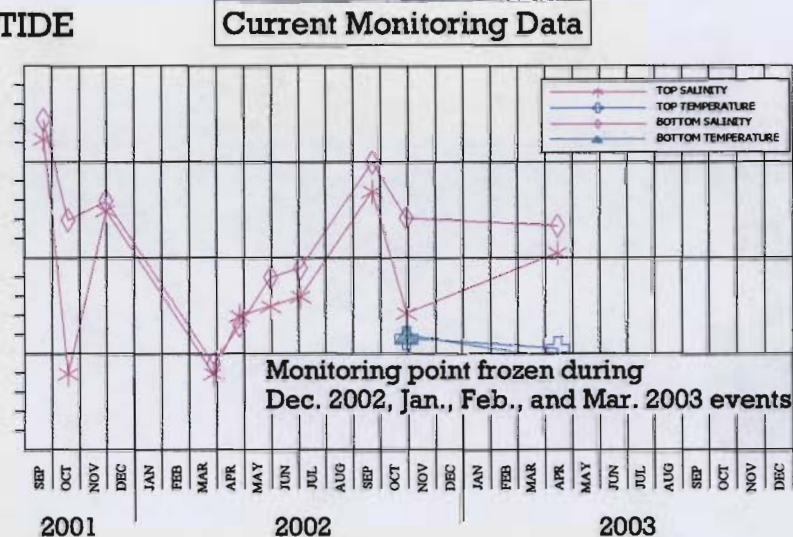
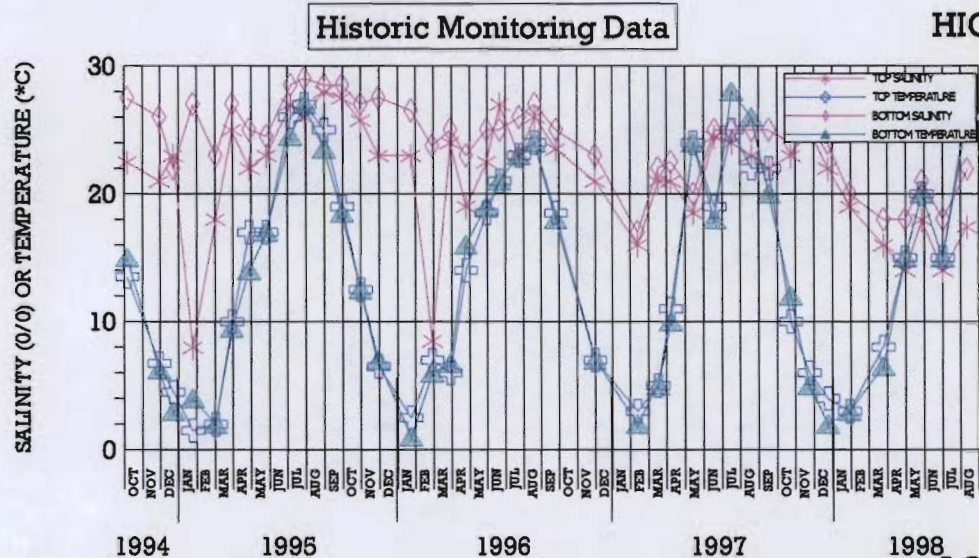
**Current Monitoring Data**





# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

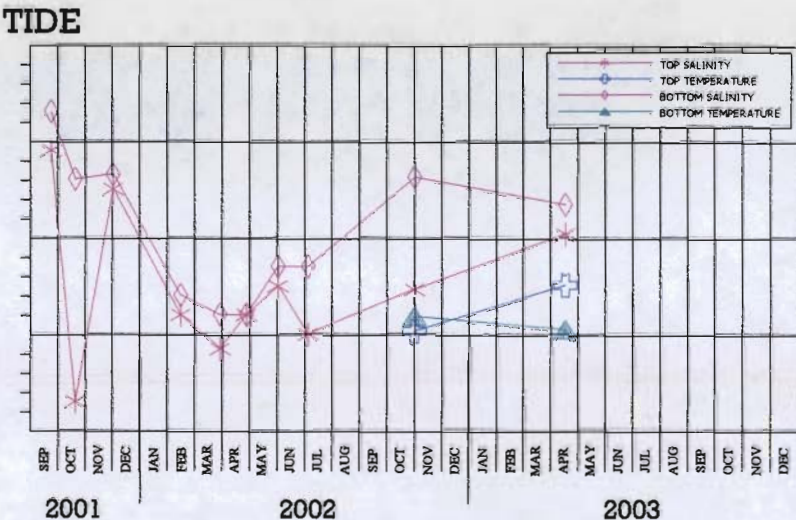
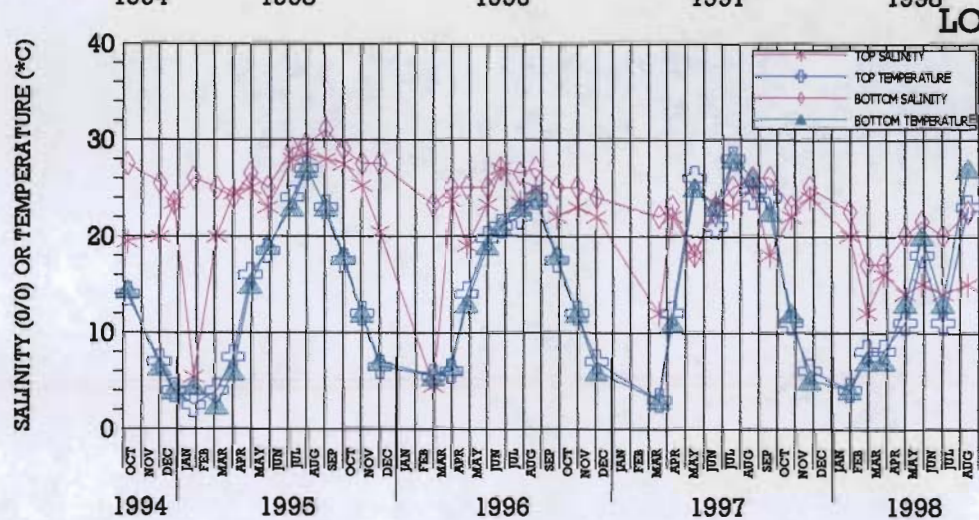
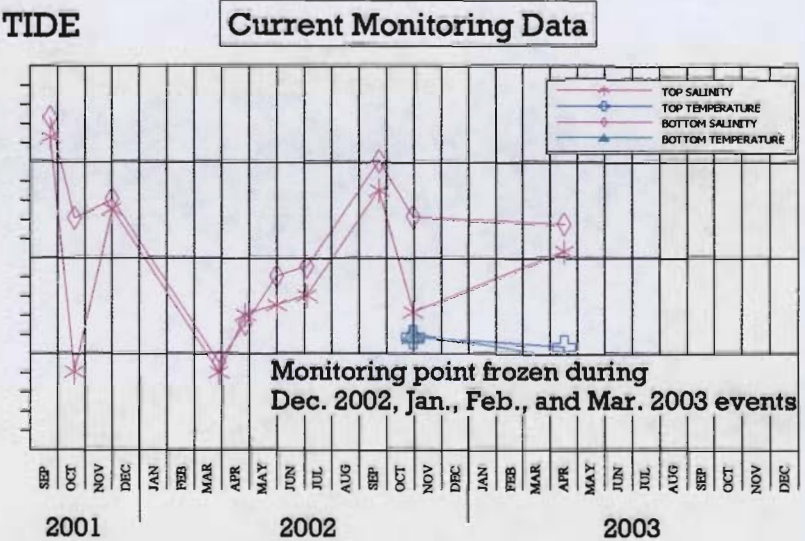
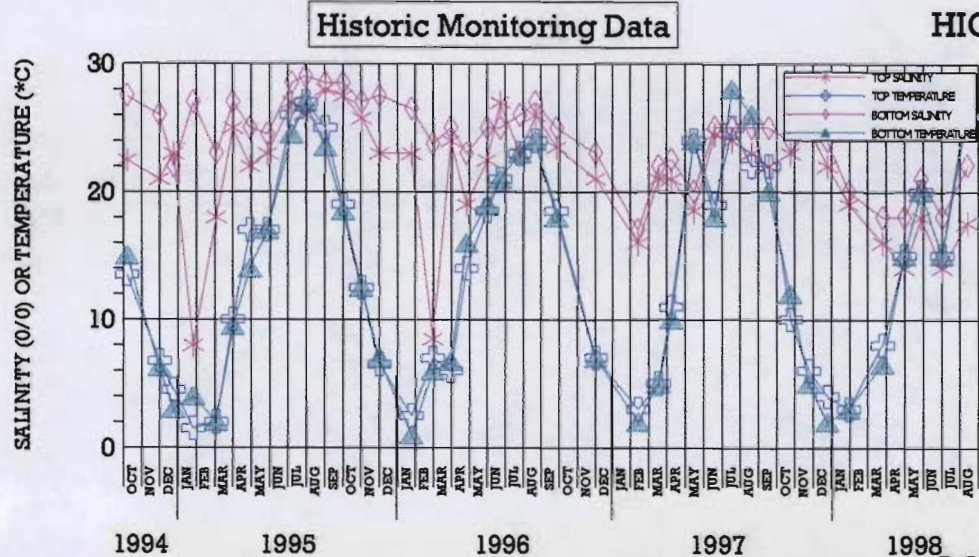
TEMPERATURE AND SALINITY MEASUREMENTS  
FOR MONITORING POINT S-8  
DURING HIGH AND LOW TIDES





# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

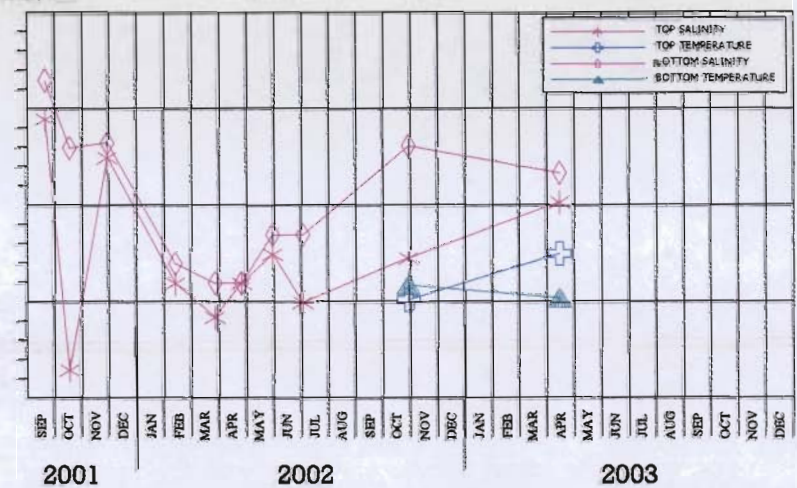
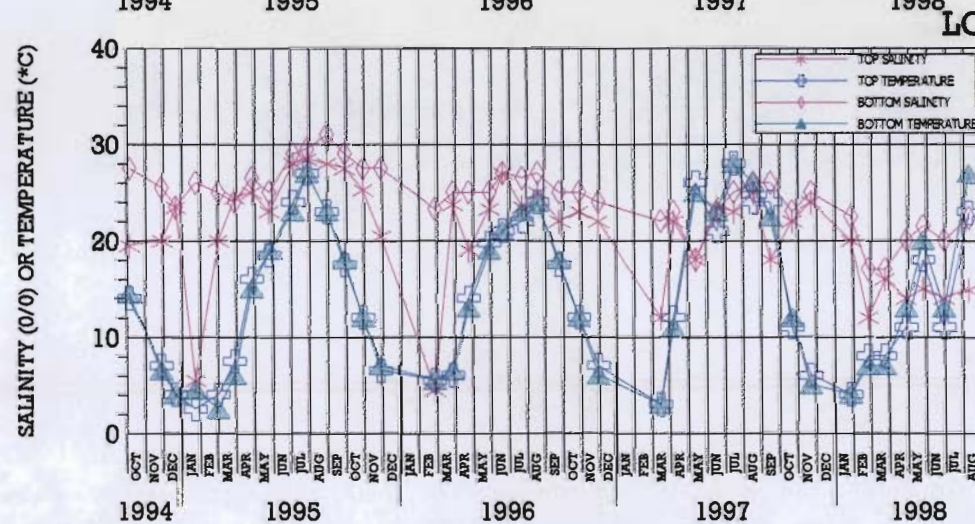
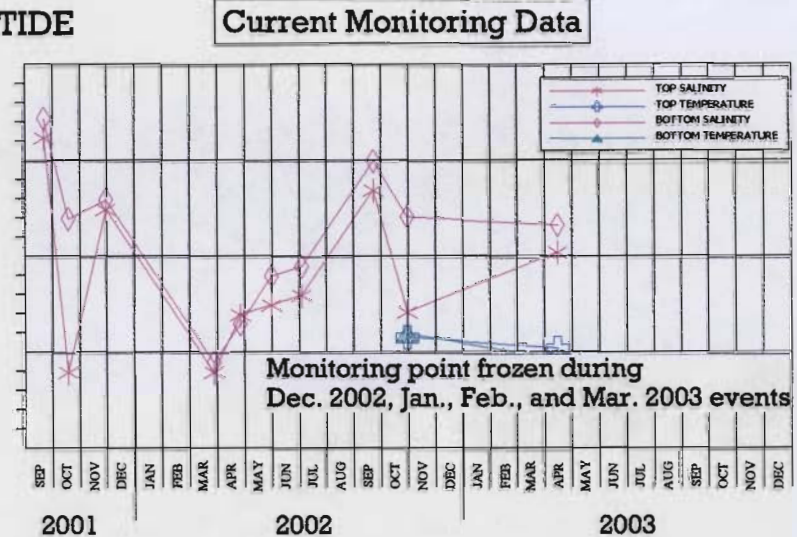
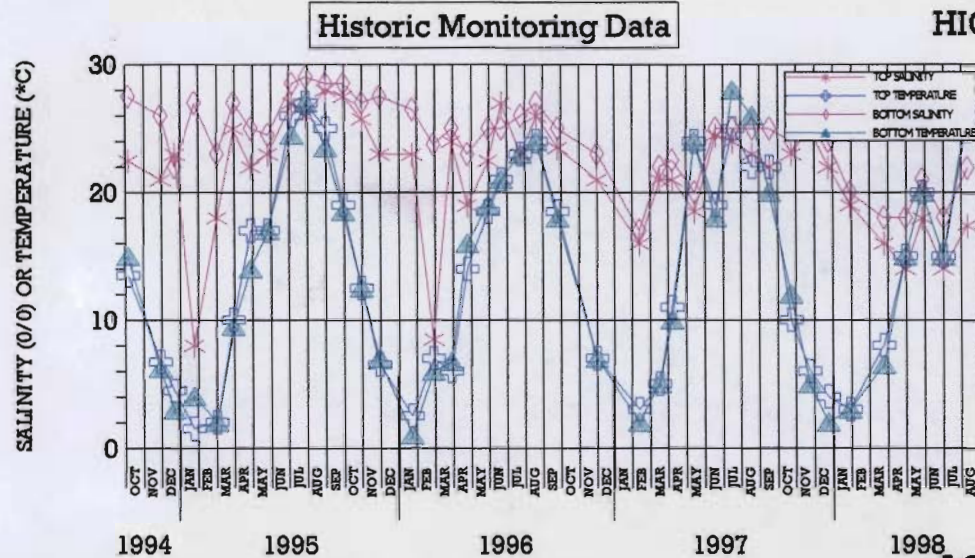
TEMPERATURE AND SALINITY MEASUREMENTS  
FOR MONITORING POINT S-8  
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# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

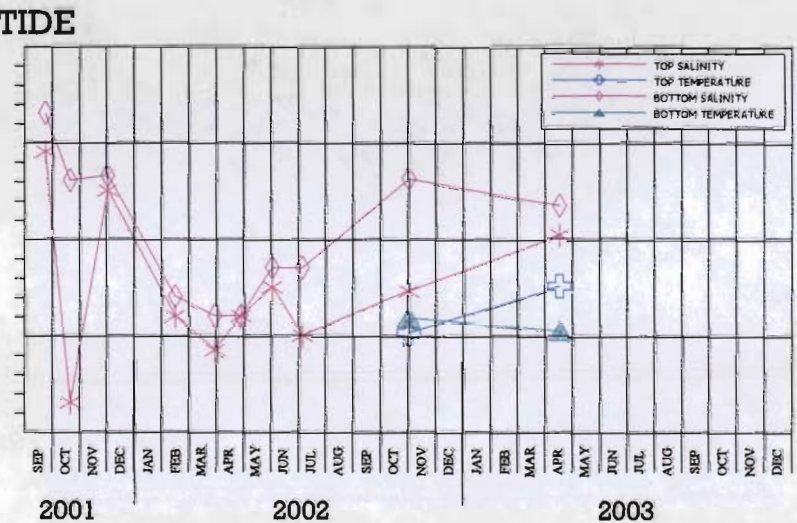
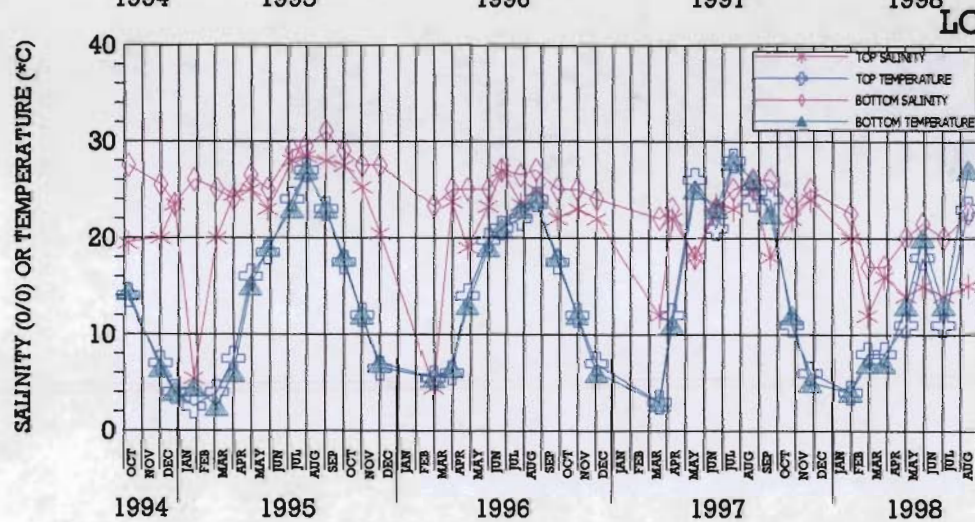
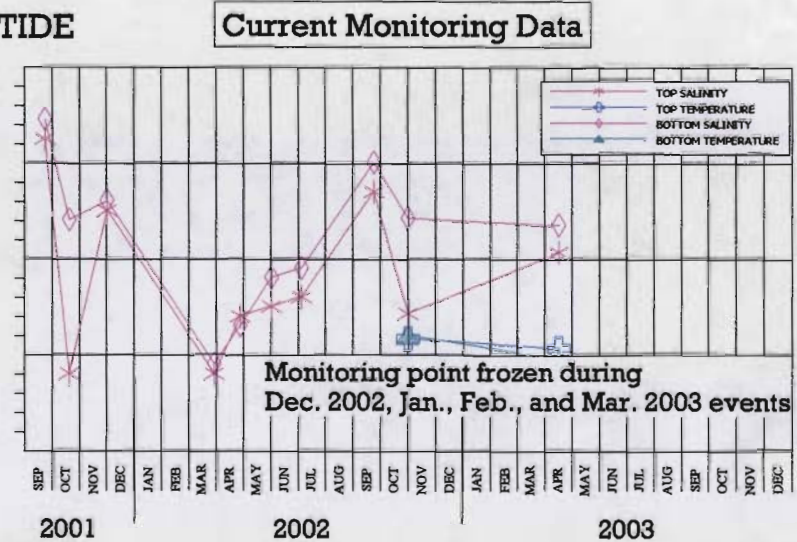
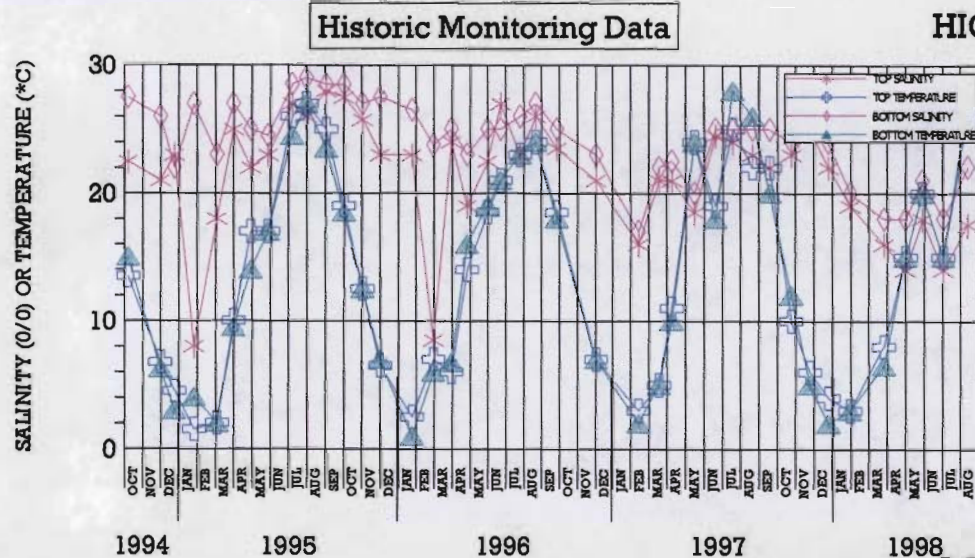
TEMPERATURE AND SALINITY MEASUREMENTS  
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# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

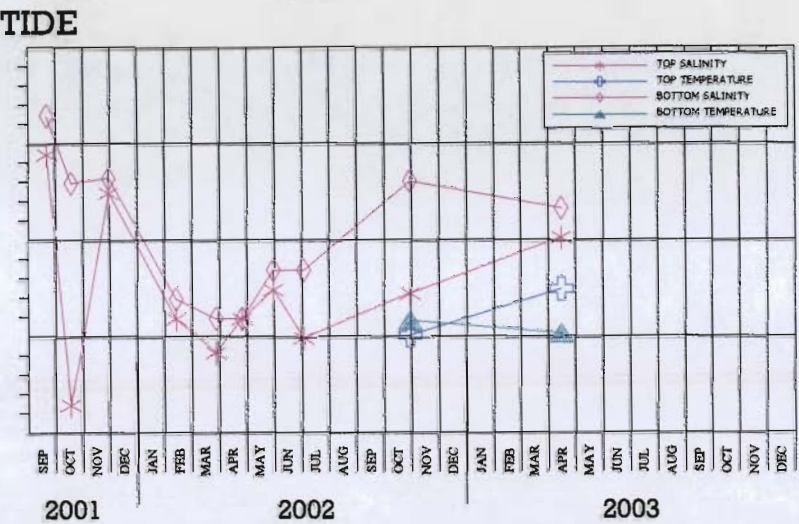
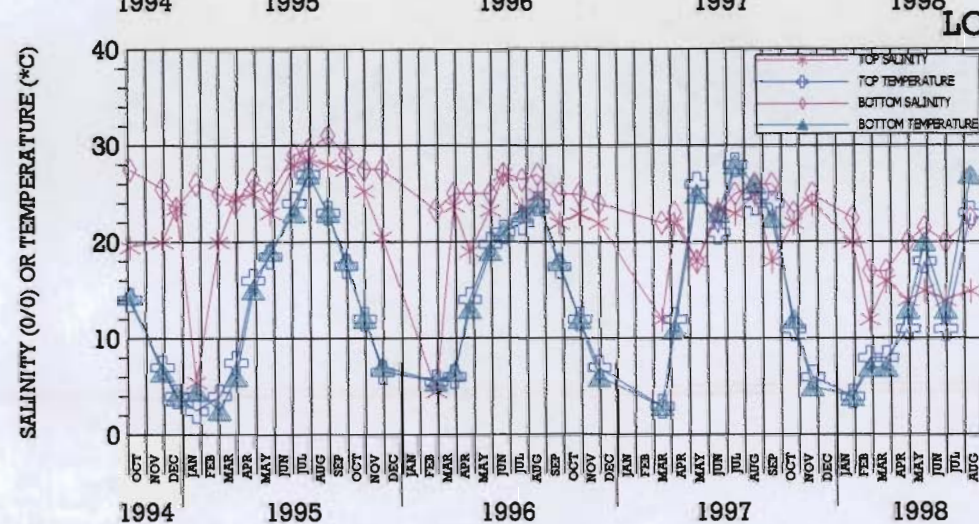
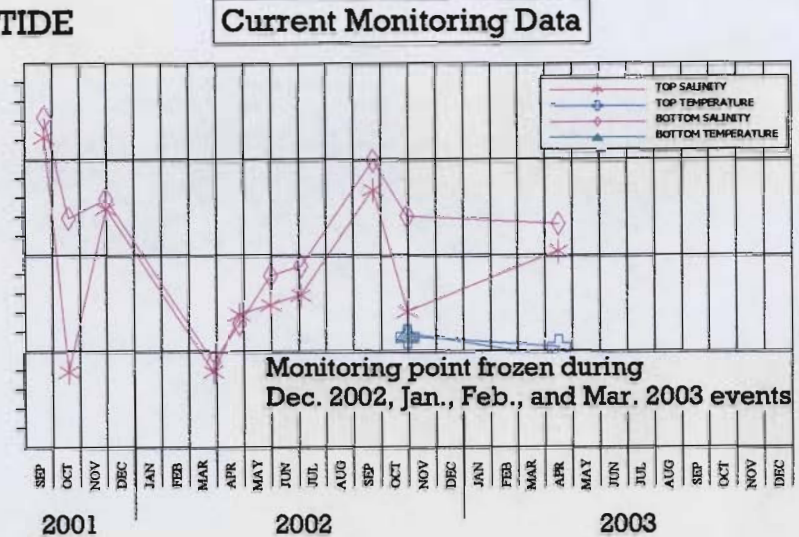
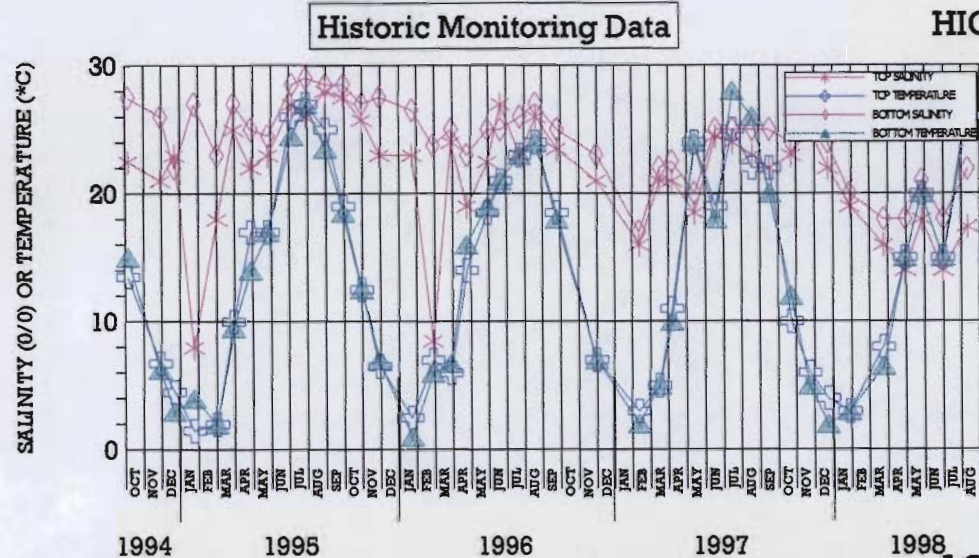
TEMPERATURE AND SALINITY MEASUREMENTS  
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# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

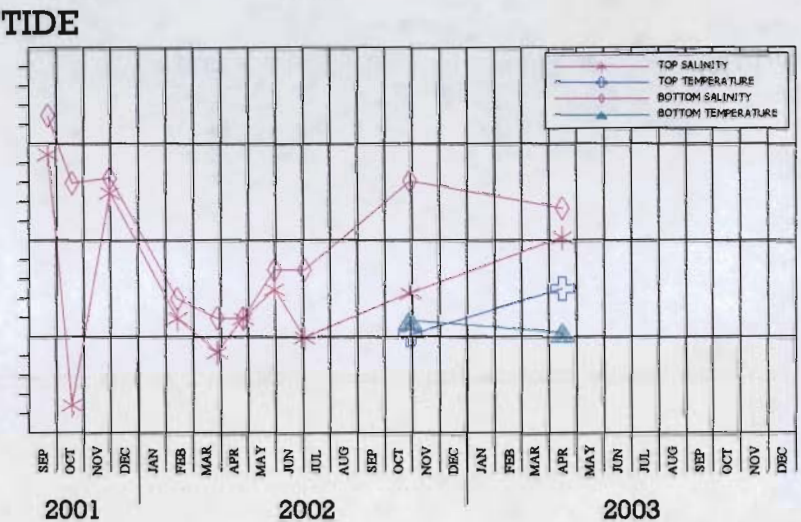
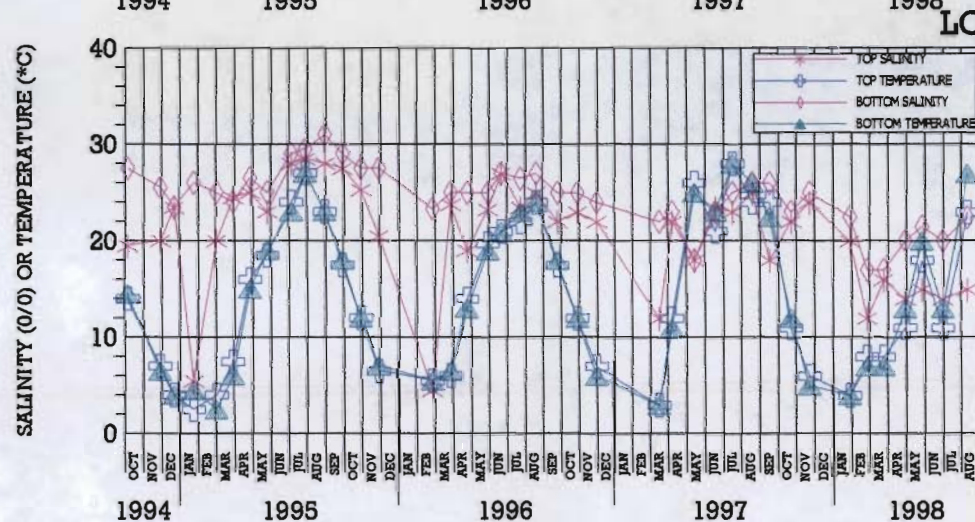
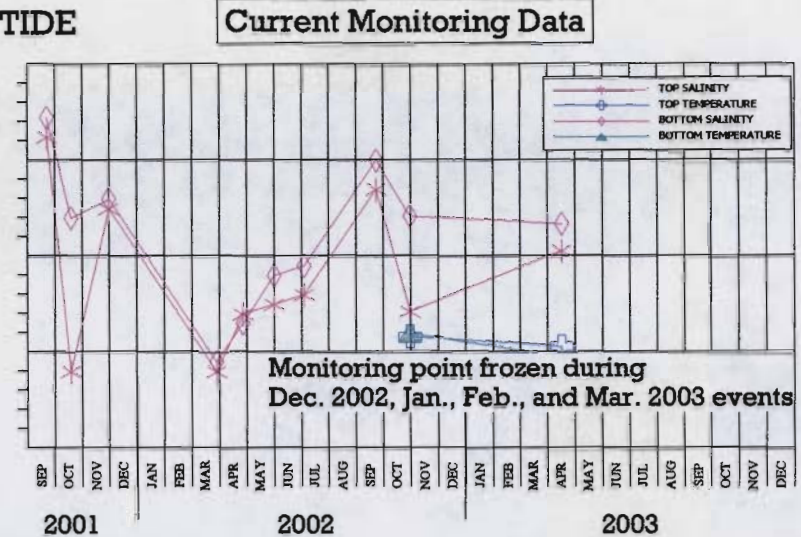
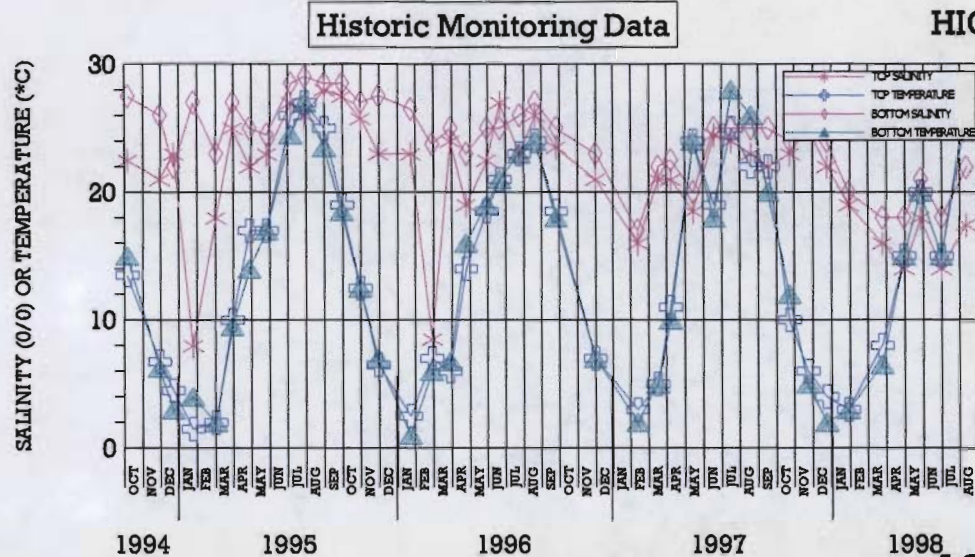
TEMPERATURE AND SALINITY MEASUREMENTS  
FOR MONITORING POINT S-8  
DURING HIGH AND LOW TIDES





# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

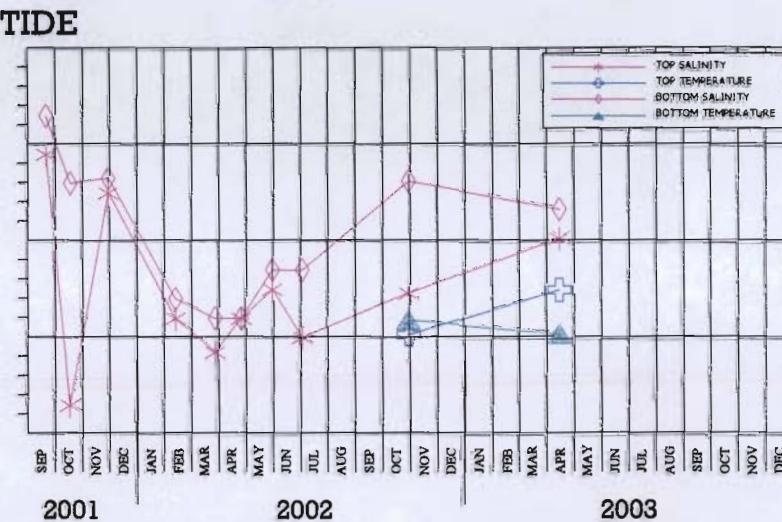
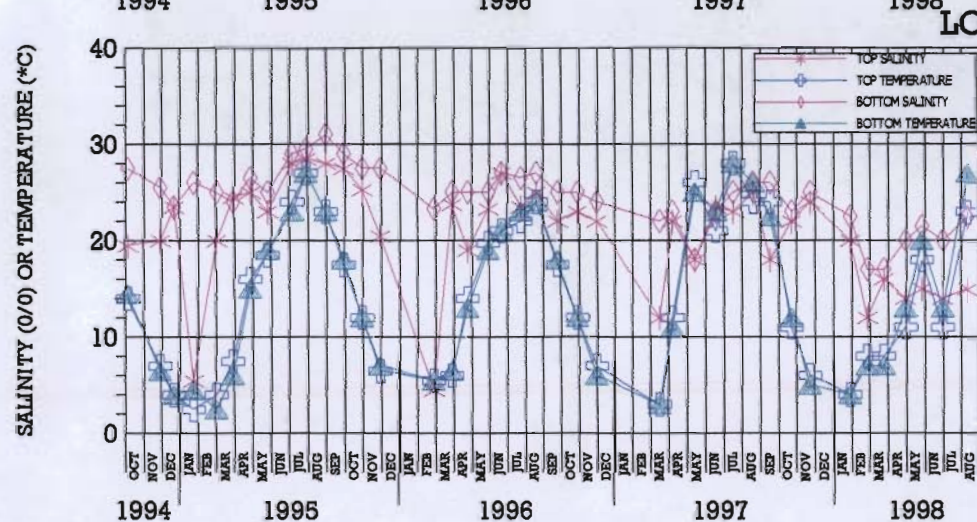
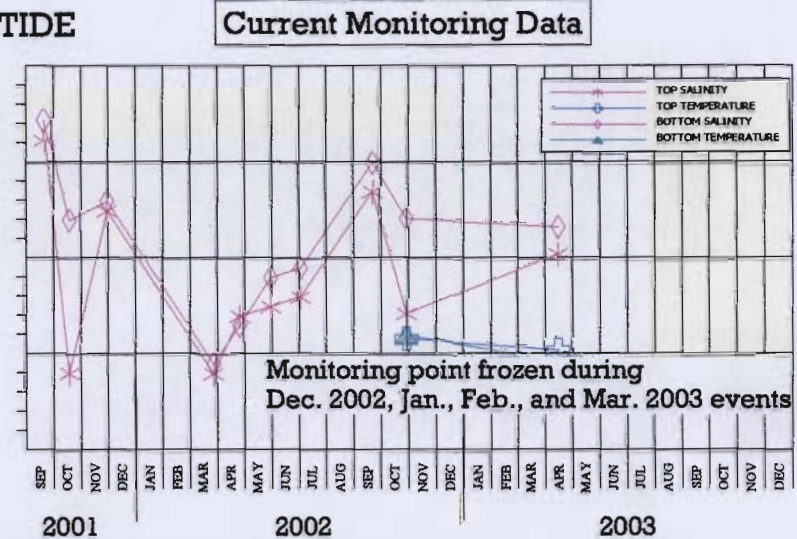
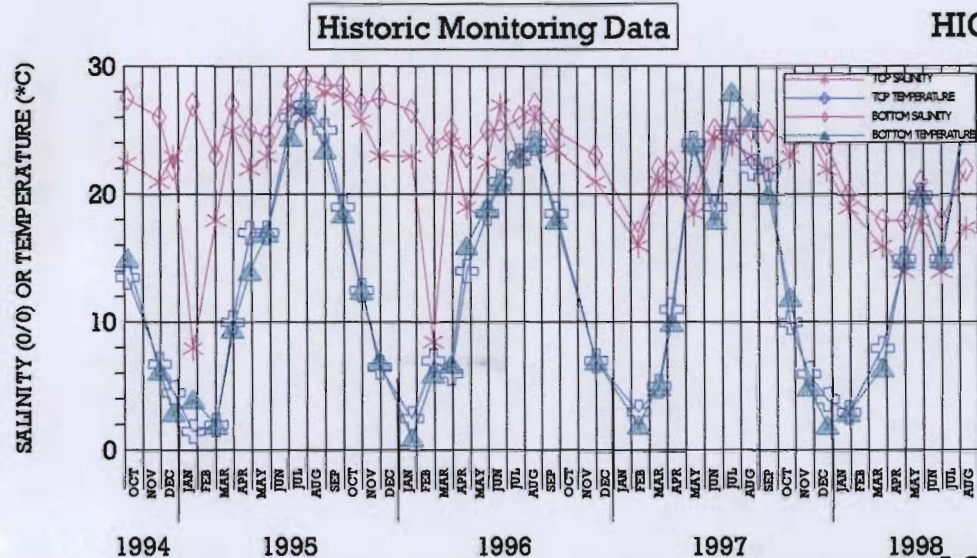
TEMPERATURE AND SALINITY MEASUREMENTS  
FOR MONITORING POINT S-8  
DURING HIGH AND LOW TIDES





# GROUND-WATER REMEDIATION DESIGN ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS  
FOR MONITORING POINT S-8  
DURING HIGH AND LOW TIDES

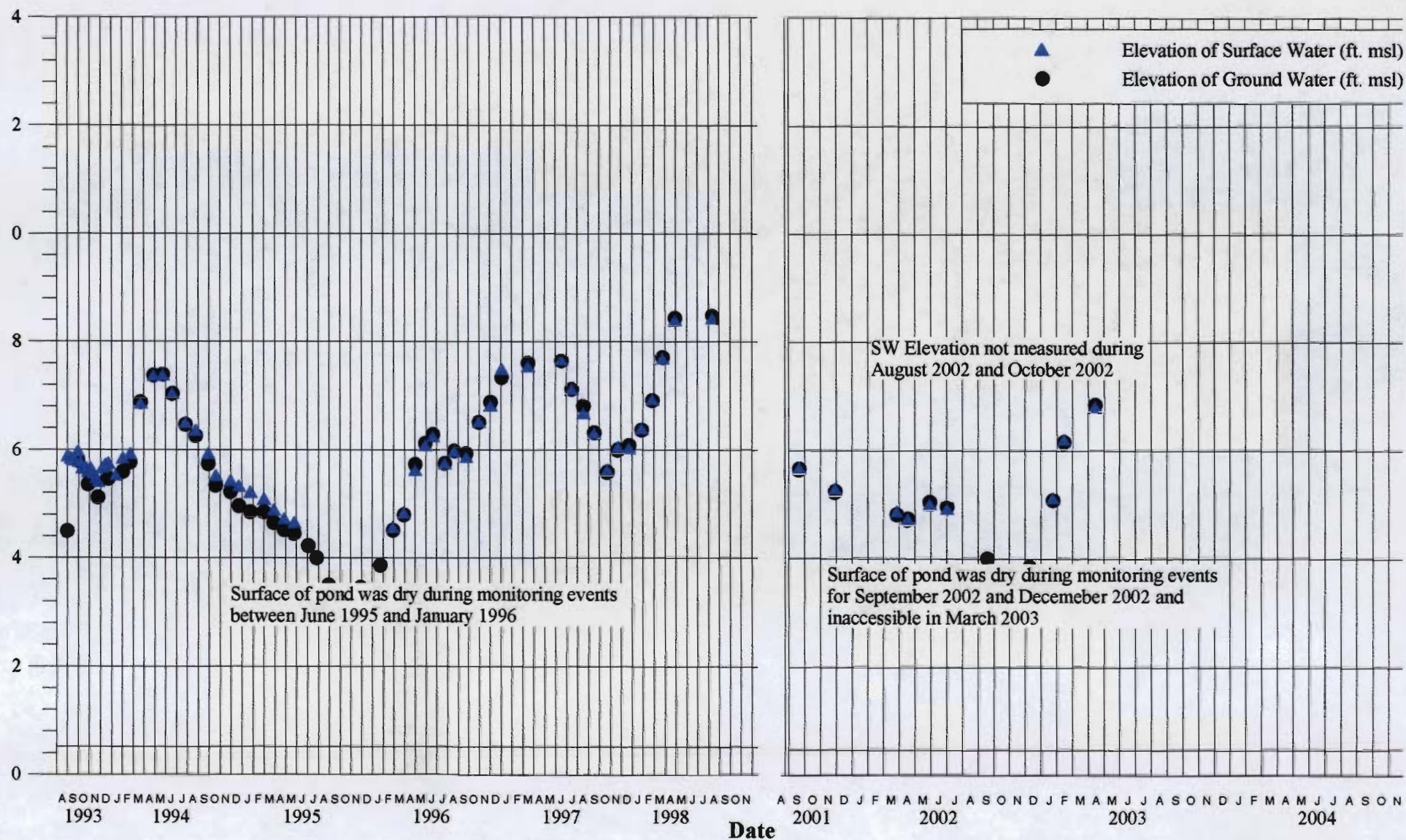


**APPENDIX VI**  
**POND AND BROOK HYDROGRAPHS**



# ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

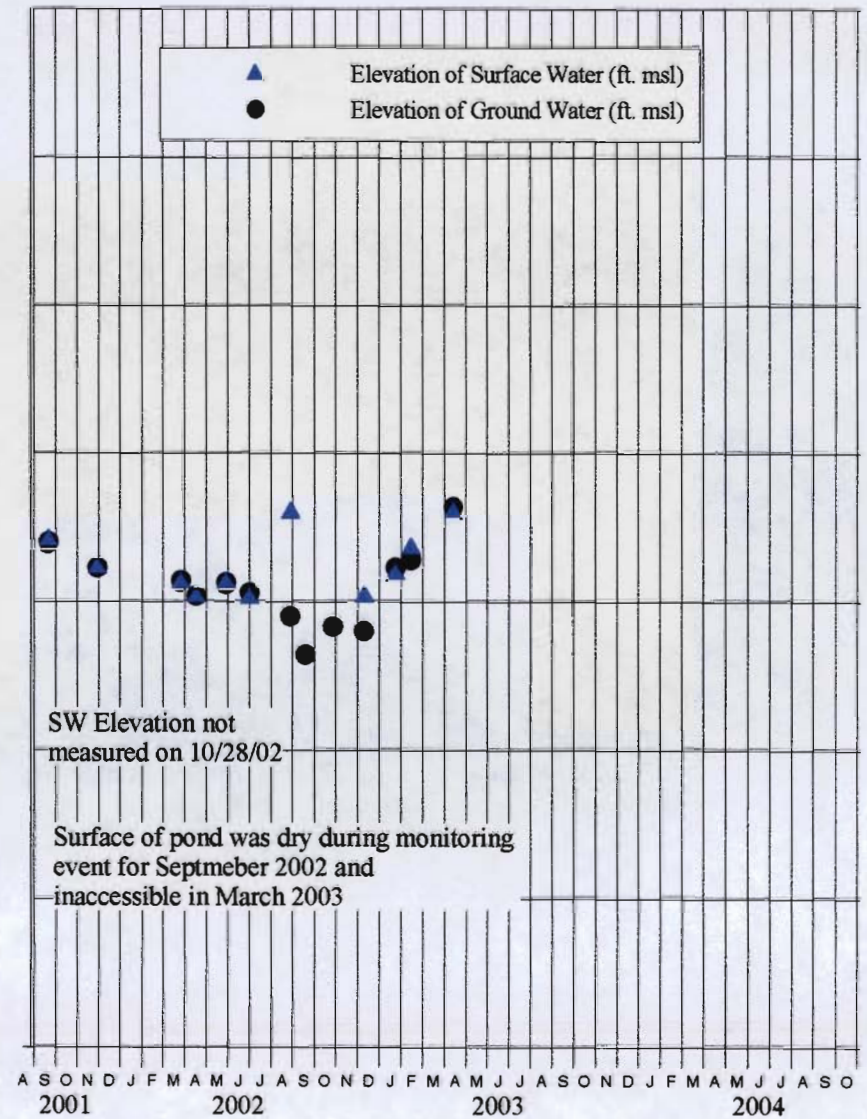
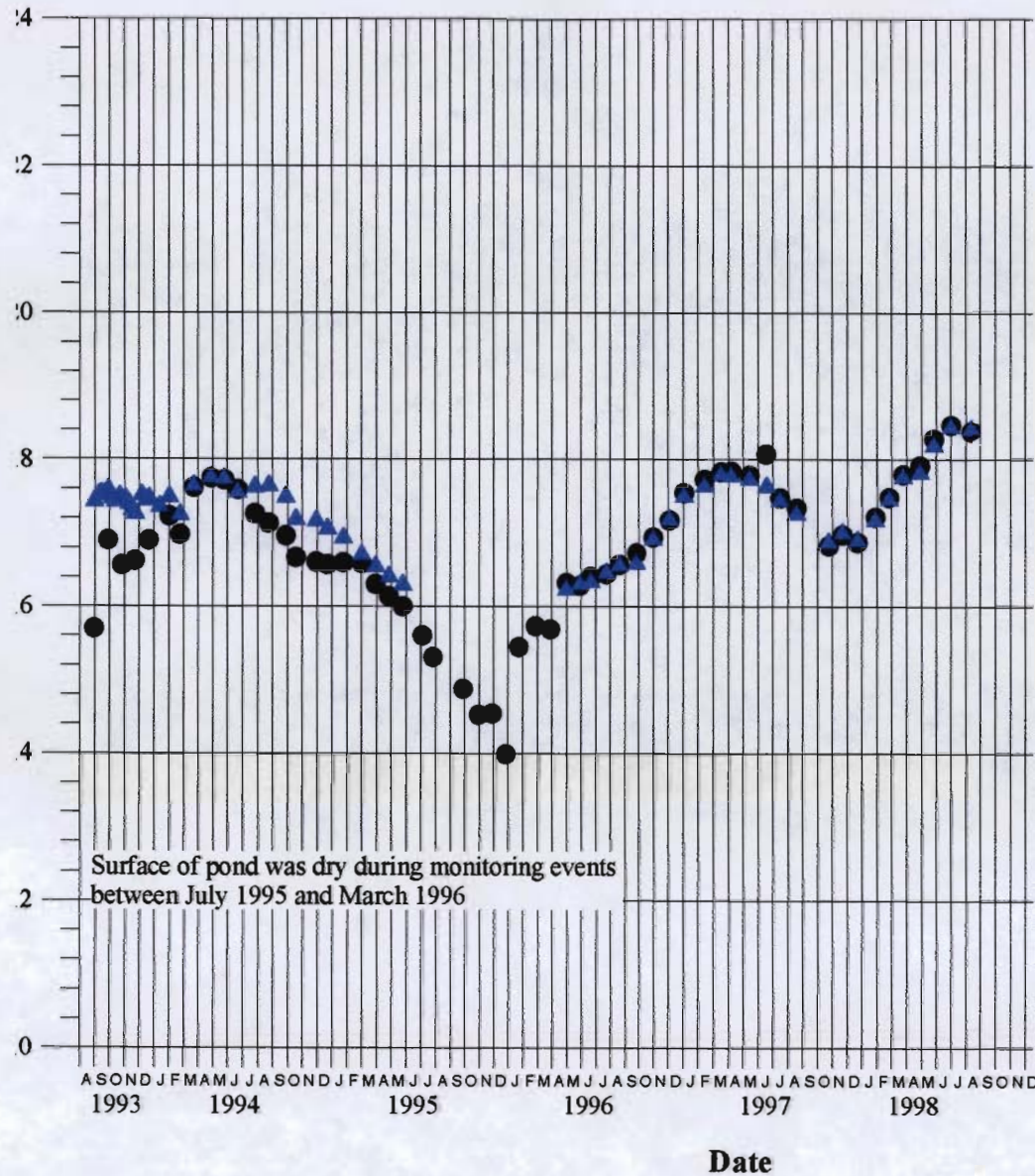
Hydrograph of Crooked Pond Piezometer





# ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

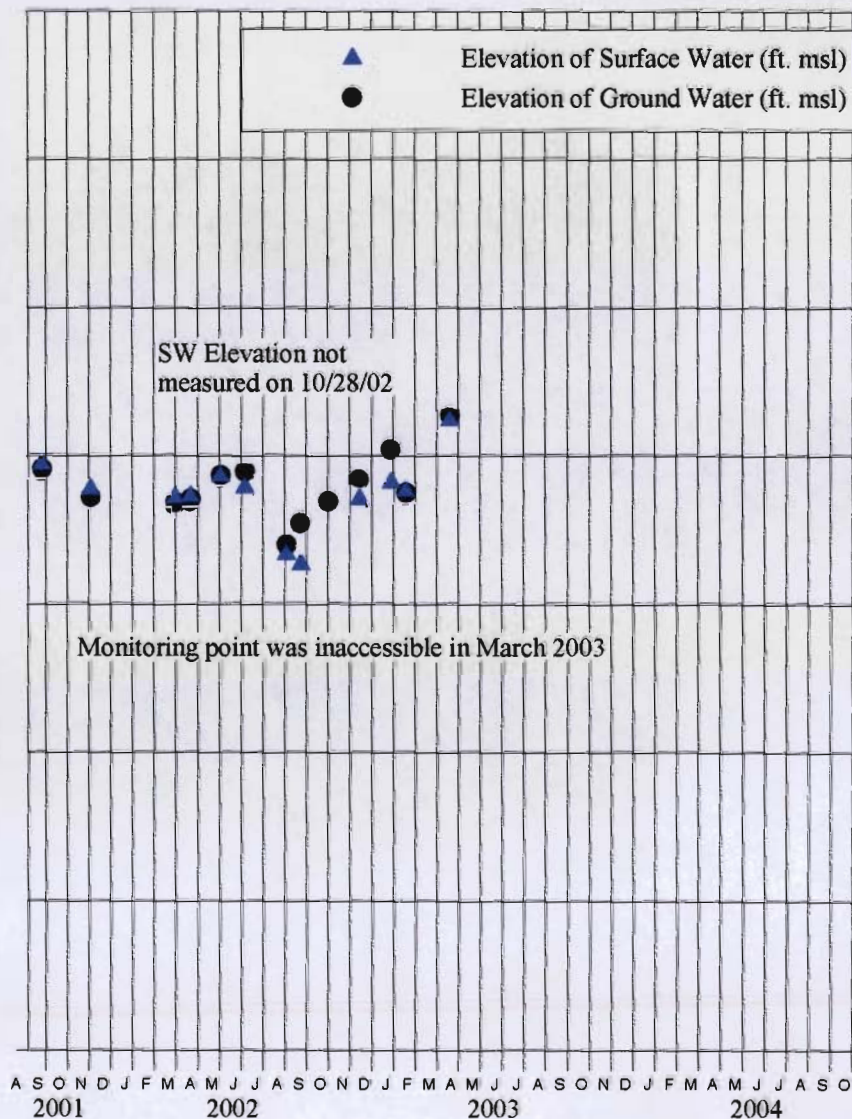
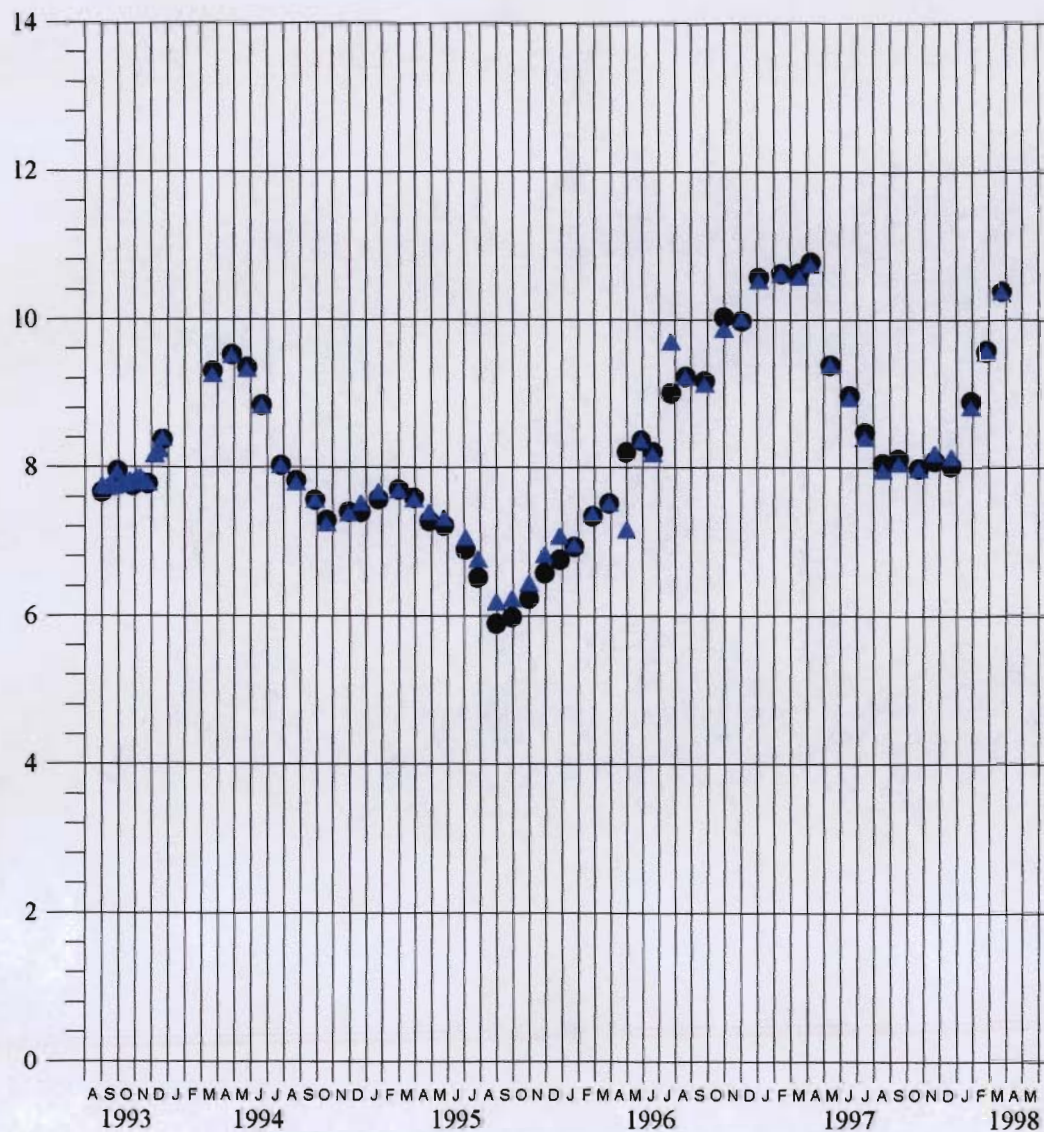
Hydrograph of Lily Pond Piezometer





# ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

Hydrograph of Round Pond Piezometer



Date



# ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK

Hydrograph of Whaler's Pond Piezometer

