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PROJECT STATUS MEMORANDUM

NO. 03-07

TO: Pamela Tames, USEPA

FROM: Paul Jobmann,
Alfred N. Kovalik, P.E.

DATE: September 12, 2003

PROJECT: Rowe Industries Superfund Site
Ground-Water Recovery and Treatment System
July 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 July 1, 2003 through July 31, 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

(July 1, 2003 through July 31, 2003)

<i>Reporting Period:</i>	31 days
<i>Total Flow During Period:</i>	15,297,600 gallons
<i>Average Effluent Flow:</i>	374 gallons per minute (gpm) while operating
<i>Mass of VOCs Recovered:</i>	7.2 pounds
<i>Cumulative VOCs Recovered:</i>	68.0 pounds
<i>Hours of Operation:</i>	558 hours during reporting period (75 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 July 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 (7/23/03);
- completed air sampling events for carbon units;
- replaced transducer in RW-9 on 7/30/03;
- cleaned RW-8 and RW-9 flowmeters;
- prepared monthly project status report;
- completed project management administrative duties; and
- ran computer model with modified well flow to determine capture zone.

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;
- prepare monthly project status report;
- complete project management administrative duties;
- troubleshoot water level transducers in RW-6 and RW-7;
- troubleshoot air stripper blower air flowmeter; and
- clean flowmeters and piping in recovery well vaults.

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 Graph 1. RW-4 flow is not accurate due to a sensor power source malfunction, but is estimated in the table. Graph 2 shows individual well pressures over time. Recovery well RW-6 average flow is reduced due to an increase in 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 was 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. A discussion is presented later in this report.

Based on analytical results for samples collected from the influent to the air stripper and water flow totalizer readings, approximately 7.2 pounds of volatile organic compounds (VOCs) were recovered by the system in July. The cumulative recovery of VOCs by the system since the start of operation is 68.0 pounds. The VOC recovery calculation for July is attached as Appendix II and is based on four sampling events. A graph of the VOC recovery over the period of remediation is also included in Appendix II. 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	956,551	35.0	35	9.5	0.08
RW-2	965,513	30.0	45	12.0	0.10
RW-3	956,448	30.0	30	10.3	0.08
RW-4*	1,674,350	50	50	207.2	2.89
RW-5	1,912,940	55.0	55	21.8	0.35
RW-6	1,190,854	35.0	50	150.6	1.50
RW-7	1,707,690	70.3	80	152.1	2.17
RW-8	1,911,190	51.0	90	40.1	0.64
RW-9	3,817,750	73.1	100	17.2	0.55

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

GROUND-WATER TREATMENT SYSTEM STATUS SUMMARY

System Operation

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

The filter units, with eight filter bags per unit, are located downstream of the equalization tank and upstream from the air stripper. The multi-bag filter units operate in parallel. The average flow from the equalization tank transfer pumps into the bag unit system was 381 gpm during the reporting period. The inlet, outlet and differential pressures for each filter unit are recorded on an hourly basis. Graph 3 illustrates the differential pressure readings over time across each of the three units. As indicated on this graph and as shown in the operations log, filter bag changeouts were conducted about three times a week. Alternate bag filter operating scenarios have been tried during the past reporting period to increase the lifespan of the filter bags and minimize system maintenance requirements. The scenario that is most effective at increasing the life-span of the bag filters is to remove the filter bag from the last housing in each bank of filters, so filter bags are in the first seven housings in each bank of the filters. This approach reduced required change-outs of the filter bags from daily to approximately three times a week.

The average airflow rate through the air stripper during the reporting period was 3,371 scfm (standard cubic feet per minute) according to the booster blower airflow meter. Previous

measurements of airflow through the tower have been collected at the air stripper blower airflow meter. It has been determined that this airflow meter has been reading the airflow incorrectly since startup due to a meter calibration error. The meter was measuring air flow at approximately 1,000 cfm less than actual air flow through the tower. The correct airflow measurement have been recorded by the airflow meter located after the booster blower. The airflow measurements have been verified using a TSI Velocicalc airflow meter. Previous reports detailing carbon loading rate are unaffected by this because all carbon loading and remediation system performance calculations have been utilizing these booster blower airflow since system start-up. Troubleshooting of the air stripper blower airflow meter is planned for September 2003. A graph of the air stripper blower air flow rate, air stripper blower pressure and booster blower airflow over time is attached as Graph 4. 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. Graph 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 July 11th analytical data) was 0.00163 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 July 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 200 micrograms per liter in RW-4. Ground-water quality trends will be analyzed throughout the duration of the remedial action to evaluate the effectiveness of the pump and treat system in reducing the VOC concentration ion the aquifer. A comprehensive evaluation of ground-water quality (and ground-water levels) will be presented in the 2003 Annual Report.

STREAM/ESTUARY SALINITY MONITORING

Salinity and temperature levels were not measured during this reporting period.

WATER-LEVEL MONITORING

Monitor well static water-levels were measured on June 30, 2003 and are summarized in Table 5. Drawdown data for the nine recovery wells are approximated using data log files collected by the computer. The recovery well drawdowns presented in Table 5 are an average of the calculated drawdowns while the system was operating. Negative or very low drawdown is believed to be the result of the collection of drawdown measurements during high tide conditions. Also presented in Table 5 are the simulated drawdowns according to the numerical ground-water flow model. Based on the comparison of the calculated drawdowns in the recovery wells and the modeled drawdowns, the ground-water recovery system is capturing the plume.

Graphs 6 through 14 show calculated drawdown for each of the nine recovery wells for the month of July. The calculated drawdowns in the recovery wells have remained stable throughout the period of operation. The decreasing trend and negative numbers observed in the graphs are a result of seasonal fluctuation of the water table. The static ground-water elevations, which are used to calculate the drawdown, are only updated periodically resulting in the negative drawdown values when the system is not recovering ground water.

Graph 15 presents the PCE concentrations detected in recovery wells since system start-up.

COMPUTER MODEL

LBG utilized the existing three-dimensional ground-water flow model (developed to simulate the ground-water flow system in the project area) to aid in the evaluation of the ground-water recovery system at the Row Industries Superfund Site. The model was developed using the "Modular Three-Dimensional Finite-Difference Ground-Water Flow Model" (MODFLOW), by McDonald and Harbaugh (1988). MODFLOW was utilized for this analysis because the model allows the incorporation of leakage to and from surface water bodies. In addition, MODFLOW is a well documented and widely accepted ground-water flow model.

The model was calibrated using data from 1996 aquifer tests of Recovery Wells No. 6 and No. 2. Details of model development and calibration are presented in "Rowe Industries superfund site Sag Harbor, New York, Ground-Water Remediation Design 95% Design Submittal, Volume I of V" (LBG, 1998). The modeling analysis was completed to verify that capture and containment of the VOC plume (on and adjacent to the site) is achieved at the withdrawal rates currently obtained from the recovery wells.

Analysis

As a part of the analysis, a steady-state average conditions simulation was run in which recovery wells RW-1 through RW-9 were operated at a combined pumping rate of 326 gpm. The simulated pumping rate for each of the recovery wells is listed below for the steady-state condition were set equal to their average withdrawal rate from January through July 2003.

RW-1 (gpm)	RW-2 (gpm)	RW-3 (gpm)	RW-4 (gpm)	RW-5 (gpm)	RW-6 (gpm)	RW-7 (gpm)	RW-8 (gpm)	RW-9 (gpm)	Total (gpm)
26	26	23	13	42	28	54	46	68	326

The simulation utilized the same recharge, stream and river data developed during the steady-state model calibration (LBG, 1998). These data reflect the June 10, 1996 surface-water stage and recharge data. This period was selected for the analysis because the magnitude and orientation of the water table were consistent with the conditions typically seen in the aquifer.

The water from the nine (9) recovery wells was simulated to be discharged to two recharge basins located east of the property. As with the recovery wells, the recharge basins were simulated using the well package in MODFLOW. The total recharge rate for the basins was simulated at 326 gpm, a value equal to the combined pumping rate of the recovery wells. This rate was evenly distributed over each node defined within the simulated recharge ponds and added as recharge wells to the MODFLOW well file.

To verify that the plume is contained and captured, simulated heads and fluxes from the model were analyzed using MODPATH. MODPATH is a post-processor that uses the simulated heads and fluxes from MODFLOW to establish horizontal and vertical path lines.

The result from this analysis verifies that the VOC plume can be captured at the withdrawal rates that have been observed in the field. Figure 1 shows a plan view of the ground-water flow paths in the aquifer; the path lines from each model layer are superimposed. Therefore, the figure shows the combined capture zones of the nine (9) existing recovery wells at combined average withdrawal rate of 326 gpm.

PJ:etn

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Attachments

H:\NABIS\2003\monthly reports>Status0307July.doc

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Leggette, Brashears and Graham, 1998, "Rowe Industries superfund site Sag Harbor, New York, Ground-Water Remediation Design 95% Design Submittal, Volume 1 of V".

McDonald, M. G., and A. W. Harbaugh, 1988, " A Modular Three-Dimensional Finite-Difference Ground-Water Flow Model", (MODFLOW), United States Geological Survey.

Pollock, D.W., 1994, Users Guide for MODPATH/MODPATH/PLOT, Version 3, " A particle Tracking Post-Processing Package for MODFLOW, the U.S. Geological Survey Finite-Difference Ground-Water Flow Model" U.S Geological Survey Open-file Report 94-464.

TABLES

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

MAINTENANCE LOG
(July 1, 2003 through July 31, 2003)

Date	Time	System Changes/Modifications	Personnel
7/1/2003	12:22 AM	Bank 3 high differential pressure warning and alarm.	
	9:17 AM	Booster blower low pressure alarm.	
7/2/2003	12:06 PM	Update static depth to water setpoints for recovery wells.	PJ
	4:26 PM	Power failure alarm.	
	4:30 PM	Restart system following alarm.	PH
7/3/2003		Changed multi-bag filter socks (200 μ m) on bank 1 and 2, seven of eight housings used. Used bank 3 during changeout, then shut off.	PH
7/6/2003	7:44 PM	Booster blower low pressure alarm.	
7/7/2003	8:12 AM	Restarted recovery wells.	PH
7/8/2003	9:15 AM	Shut down Recovery wells in order to complete system maintenance (DSL line)	PJ
7/9/2003		Air stripper blower and booster blower would not restart. Contacted Rockwell to schedule repair	PJ
		Updated PLC program to include a confirmation button for alarm system off button. Acid batch report added to excel programs.	
		Grease pumps and blowers. Place 3 more dehumidifiers in building to reduce condensation on piping and tanks in building.	
7/11/2003		Changed multi-bag filter socks (200 μ m) on bank 1 and 2, seven of eight housings used. Used bank 3 during changeout, then shut off.	PJ
		Repaired ASB & BB relays.	PJ
	12:50 PM	Restarted system	PJ
		Used TSI Velocicalc air flow meter to check ASB air flow meter. Meter reading incorrectly. Air flow through tower is equal to air flow reading at BB meter (~3,300 scfm).	
7/14/2003	9:19 AM	RW-7 pump fault alarm	
	10:50 AM	RW-9 pump fault alarm	
	10:54 AM	Change low flow alarm setpoint to 30%. Restart RW-9	PJ
7/15/2003		Changed multi-bag filter socks (200 μ m) on bank 1 and 2, seven of eight housings used. Used bank 3 during changeout, then shut off.	PH
	9:14 AM	Restarted RW-7 following pump fault alarm	PH
		Sampled NP2-6, NP2-7, NP2-10	
	11:42 AM	RW-7 pump fault alarm.	
		Restart RW-7 pump at 11:50	PJ
		Changed RW-7 flow rate from 80 to 70 gpm to try to prevent pump fault alarms	PJ
	11:45 AM	Restarted RW-7 following pump fault alarm	PJ
	2:07 PM	RW-7 pump fault alarm.	

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

MAINTENANCE LOG
(July 1, 2003 through July 31, 2003)

Date	Time	System Changes/Modifications	Personnel
7/17/2003	9:09 AM	Restarted RW-7 following pump fault alarm	
		Changed multi-bag filter socks (200 µm) on bank 1 and 2, seven of eight housings used. Used bank 3 during changeout, then shut off.	PJ
7/21/2003		Changed multi-bag filter socks (200 µm) on bank 1 and 2, seven of eight housings used. Used bank 3 during changeout, then shut off.	PJ
7/22/2003	2:12 AM	EQ tank high high level alarm	
	2:13 AM	Bank 1 high differential pressure warning and alarm.	
	12:48 PM	Bank 3 high differential pressure warning and alarm.	
	7:36 PM	Booster blower failure alarm.	
7/23/2003	2:21 AM	Power failure alarm.	
7/23/2003		Changed multi-bag filter socks (200 µm) on bank 1, seven of eight housings used.	PJ
	9:30 AM	Restart system following alarms and power failure	PJ
		Sampled NP2-5, NP2-7, NP2-10 and recovery wells. Split samples with CH2M Hill	PJ
7/24/2003	11:00AM	Changed multi-bag filter socks (200 µm) on bank 1 and 2, seven of eight housings used. Used bank 3 during changeout, then shut off.	LZ
7/26/2003	8:58 PM	Communication failure alarm.	
7/27/2003	12:45 PM	Restart system following communication failure alarm	ASH
7/30/2003		Changed multi-bag filter socks (200 µm) on bank 1 and 2, seven of eight housings used. Used bank 3 during changeout, then shut off.	PJ
		Bank 1 high differential pressure warning and alarm occurred during bag filter changeout.	
		Replace RW-8 and RW-9 flow meter chambers.	
		Replace RW-9 transducer.	
		Input offsets in program for bag filter pressure readings.	
		Adjusted ASB and BB airflow meter flow ranges in order to get more accurate flow readings. ASB flowmeter not reading correctly. Use BB flowmeter for accurate air flow readings through tower and carbon.	

TABLE 2

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

DISCHARGE WATER QUALITY RESULTS

Date Sampled	pH ^{1,2}	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)	Ethyl-benzene (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)
Limits	6.5 to 8.5	---	1	5	5	5	5	5	5	5	5	5	---	10	7	---	---	---
11-Jul-03	6.85	100	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	2.61	0.162
14-Jul-03	6.6	100	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	1.14	0.171
23-Jul-03	6.72	100	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	1.05	0.264
30-Jul-03	6.7	100	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	0.29	0.047

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 hand held pH meter.

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	TCA	DCE	DCA	cis-DCE	Toluene	Benzene	m&p-Xylenes	o-Xylene	Styrene	CF	MC	CM	CD	BM	CB	EB
Precarbon (ITPP A)	10/8/2002	11:05	6.6	0.18	ND	ND	ND	ND	0.06	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Precarbon (ITPP B)	10/9/2002	12:31	5.6	0.18	ND	ND	ND	ND	0.04	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Precarbon 112002	11/20/2002	21:45	2.8	0.09	ND	ND	ND	ND	0.03	0.04	ND	ND	ND	ND	0.01	0.54	ND	ND	ND	ND
Precarbon 112602	11/26/2002	20:10	6.8	0.18	ND	ND	ND	ND	0.06	ND	ND	ND	ND	ND	ND	0.88	ND	ND	ND	ND
AQ1219022120NP4-1	12/19/2002	21:20	2.9	0.12	ND	ND	ND	ND	0.02	0.03	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
AQ0109031120NP4-1	1/9/2003	11:20	2.3	0.07	ND	ND	ND	ND	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AQ0220030932NP4-1	2/20/2003	9:32	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AQ0312031131NP4-1	3/12/2003	11:31	1.3	0.04	0.04	ND	ND	ND	0.02	0.009	ND	ND	ND	ND	ND	ND	ND	0.09	ND	ND
AQ0409030942NP4-1	4/9/2003	9:42	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AQ060503:1155NP4-1	6/5/2003	11:55	0.6	0.02	ND	ND	ND	ND	0.003	0.003	ND	ND	ND	ND	0.097	ND	ND	0.063	ND	ND
AQ071103:1340NP4-1	7/11/2003	13:40	0.7	0.026	0.041	0.006	0.01	0.002	0.011	0.003	0.005	0.002	0.001	0.009	0.012	ND	0.043	0.022	ND	0.002

Midcarbon			Parameters (mg/m3)																	
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	Toluene	Benzene	m&p-Xylenes	o-Xylene	Styrene	CF	MC	CM	CD	BM	CB	EB
Midcarbon (ITPP A)	10/8/2002	11:07	0.004	ND	ND	ND	ND	ND	0.05	0.009	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND
Midcarbon (ITPP B)	11/9/2002	12:30	0.002	ND	ND	ND	ND	ND	0.038	0.003	0.005	ND	0.002	ND	ND	ND	ND	ND	ND	ND
Midcarbon 112002	11/20/2002	21:50	ND	ND	ND	ND	ND	ND	0.22	0.06	0.07	ND	ND	ND	0.19	0.77	ND	ND	ND	ND
Midcarbon 112602	11/26/2002	21:12	0.005	ND	ND	ND	ND	ND	0.015	0.004	0.003	ND	ND	ND	0.017	0.07	ND	ND	ND	ND
AQ1219022120NP4-2	12/19/2002	21:20	0.04	ND	ND	ND	ND	ND	0.027	0.004	0.006	ND	ND	ND	0.03	ND	ND	ND	ND	ND
AQ0109031122NP4-2	1/9/2003	11:22	0.006	ND	ND	ND	0.017	ND	0.044	ND	0.004	ND	ND	ND	0.013	ND	ND	ND	ND	ND
AQ0220030932NP4-2	2/20/2003	9:32	0.008	ND	0.032	ND	0.017	ND	ND	ND	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND
AQ0312031131NP4-2	3/12/2003	11:31	0.01	0.003	0.045	0.012	0.021	0.007	0.03	0.005	0.006	0.002	0.002	0.012	ND	ND	0.002	0.009	0.001	0.002
AQ0409030943NP4-2	4/9/2003	9:43	0.006	0.003	0.049	0.01	0.016	0.006	0.008	0.001	0.004	ND	ND	0.011	0.081	ND	0.019	0.006	ND	ND
AQ060503:1156NP4-2	6/5/2003	11:56	0.032	0.001	0.014	ND	ND	0.002	0.002	0.001	ND	ND	ND	0.004	0.018	0.002	ND	0.021	ND	ND
AQ071103:1340NP4-1	7/11/2003	13:41	0.009	0.004	0.022	0.005	0.008	0.004	0.007	0.004	0.003	0.002	ND	0.006	0.005	ND	0.03	0.005	ND	0.001

Postcarbon			Parameters (mg/m3)																	
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	Toluene	Benzene	m&p-Xylenes	o-Xylene	Styrene	CF	MC	CM	CD	BM	CB	EB
Postcarbon (ITPP A)	10/8/2002	11:09	0.002	ND	ND	ND	ND	ND	0.048	0.003	0.005	ND	ND	ND	0.049	ND	0.016	ND	ND	ND
Postcarbon (ITPP B)	10/9/2002	12:27	0.002	ND	ND	ND	ND	ND	0.04	0.006	0.004	0.004	0.002	ND	0.002	ND	0.021	ND	ND	ND
Postcarbon 112002	11/20/2002	21:51	Sample lost due to lab error																	
Postcarbon 112602	11/26/2002	20:13	ND	ND	ND	ND	ND	ND	0.012	0.004	0.002	ND	ND	ND	0.017	0.087	ND	ND	ND	ND
AQ1219022120NP4-3	12/19/2002	21:20	ND	ND	ND	ND	ND	ND	0.045	0.006	0.006	0.002	ND	0.001	0.022	ND	ND	ND	ND	ND
AQ0109031124NP4-3	1/9/2003	11:24	0.001	ND	ND	ND	ND	ND	0.06	ND	0.004	ND	ND	ND	0.018	ND	ND	ND	ND	ND
AQ0220030932NP4-3	2/20/2003	9:32	ND	ND	ND	ND	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AQ0312031132NP4-3	3/12/2003	11:32	ND	ND	0.008	0.01	0.018	ND	0.01	0.002	0.002	ND	ND	0.006	ND	ND	0.003	0.01	ND	ND
AQ0409030944NP4-3	4/9/2003	9:44	ND	ND	0.02	0.01	0.017	ND	0.005	ND	0.002	ND	ND	0.009	0.023	ND	0.019	0.017	ND	ND
AQ060503:1157NP4-3	6/5/2003	11:57	ND	ND	0.068	0.036	0.056	0.014	0.011	0.019	0.005	ND	ND	0.031	0.028	ND	0.041	0.03	ND	ND
AQ071103:1340NP4-1	7/11/2003	13:43	0.002	0.001	0.013	0.008	0.011	0.003	0.009	0.002	0.003	0.002	ND	0.007	0.008	0.002	0.04	0.016	ND	0.002

PCE - Tetrachloroethane
 TCE - Trichloroethane
 TCA - 1,1,1-Trichloroethane

DCE - 1,1-Dichloroethene
 DCA - 1,1-Dichloroethane
 cis-DCE - cis-1,2-Dichloroethene

CF - Chloroform
 MC - Methylene Chloride
 CM - Chloromethane

CD - Carbon Disulfide
 BM - Bromomethane
 CB - Chlorobenzene
 EB - Ethylbenzene

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
	5-Sep-02	ND<1	ND<1	ND<1	ND<1	2.6	-	-	-	ND<1	ND<1	ND<1	ND<1
	8-Oct-02	ND<1	ND<1	ND<1	ND<1	2.2	-	-	-	ND<1	ND<1	ND<1	ND<1
	9-Oct-02	ND<1	ND<1	ND<1	ND<1	2.8	-	-	-	ND<1	ND<1	ND<1	ND<1
	26-Nov-02	-	-	-	-	-	-	0.032	ND<0.02	-	-	-	-
	3-Jan-03	ND<1	ND<1	ND<1	ND<1	2.4	16	-	-	ND<1	ND<1	ND<1	ND<1
	23-Jan-03	ND<1	ND<1	ND<1	ND<1	2.0	9.8	-	-	ND<1	ND<1	ND<1	ND<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
	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
	13-May-03	ND<1	ND<1	ND<1	ND<1	1.8	8.7	0.051	ND<0.02	ND<1	ND<1	ND<1	3.6
	11-Jun-03	ND<1	ND<1	ND<1	ND<1	ND<1	8.1	0.0290	ND<0.02	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	ND<1	ND<1	ND<1	ND<1	2.9	6.6	0.0100	0.03	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
	5-Sep-02	120	1.4	ND<1	ND<1	ND<1	18	-	-	ND<1	ND<1	ND<1	ND<1
	8-Oct-02	140	2	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	9-Oct-02	110	1.9	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	6.6
	26-Nov-02	-	-	-	-	-	-	50.9	0.188	-	-	-	-
	3-Jan-03	38	1.3	ND<1	ND<1	ND<1	7.5	-	-	ND<1	ND<1	ND<1	ND<1
	23-Jan-03	31	ND<1	ND<1	ND<1	ND<1	6.7	-	-	ND<1	ND<1	ND<1	ND<1
	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
	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
	13-May-03	21	2	ND<1	ND<1	ND<1	3.8	5.51	0.052	ND<1	ND<1	ND<1	3.7
	11-Jun-03	15	0.6	ND<1	ND<1	ND<1	ND<1	3.01	0.885	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	12	ND<1	ND<1	ND<1	ND<1	ND<1	5.34	0.438	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
	5-Sep-02	30	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	8-Oct-02	18	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	9-Oct-02	19	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	26-Nov-02	-	-	-	-	-	-	2.23	2.34	-	-	-	-
	3-Jan-03	2.8	8.5	4.8	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
	23-Jan-03	2.7	5.8	2.4	ND<1	ND<1	1.8	-	-	ND<1	ND<1	ND<1	ND<1
	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
	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
	13-May-03	2.2	2.5	1.1	ND<1	ND<1	ND<1	1.68	0.166	ND<1	ND<1	ND<1	3.7
	11-Jun-03	2.4	3.4	1.8	ND<1	ND<1	ND<1	2.37	0.517	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	2.3	5.7	2.3	ND<1	ND<1	ND<1	1.77	0.636	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-Sep-02	550	8.5	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	23-Sep-02	590	9.5	1.6	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	8-Oct-02	670	11	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	9-Oct-02	450	9.6	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	26-Nov-02	-	-	-	-	-	-	11	2.41	-	-	-	-
	3-Jan-03	190	3.8	7.1	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
	23-Jan-03	130	6.5	0.7	ND<1	ND<1	4.3	-	-	ND<1	ND<1	ND<1	ND<1
	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
	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
	13-May-03	170	5.4	1.0	ND<1	ND<1	3.4	2.38	0.023	ND<1	ND<1	ND<1	3.3
	11-Jun-03	170	4.8	ND<1	ND<1	ND<1	ND<1	1.03	0.572	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	200	5.9	1.3	ND<1	ND<1	ND<1	2.67	0.292	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
	12-Sep-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	8-Oct-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	9-Oct-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	26-Nov-02	-	-	-	-	-	-	ND<0.02	ND<0.02	-	-	-	-
	3-Jan-03	5.5	ND<1	ND<1	ND<1	1.9	1.5	-	-	ND<1	ND<1	ND<1	ND<1
	23-Jan-03	5.8	ND<1	ND<1	ND<1	1.1	3.5	-	-	ND<1	ND<1	ND<1	ND<1
	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
	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
	13-May-03	21	ND<1	ND<1	ND<1	0.8	6.7	0.146	ND<0.02	ND<1	ND<1	ND<1	3.6
	11-Jun-03	21	ND<1	ND<1	ND<1	ND<1	6.2	0.76	0.0356	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	11	ND<1	ND<1	ND<1	1.1	9.7	6.47	0.068	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
	12-Sep-02	140	1.1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	8-Oct-02	120	1.7	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	9-Oct-02	130	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	26-Nov-02	-	-	-	-	-	-	0.37	ND<0.02	-	-	-	-
	3-Jan-03	110	1.1	ND<1	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
	23-Jan-03	97	1.6	ND<1	ND<1	0.6	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
	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
	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
	13-May-03	120	1.8	ND<1	ND<1	0.6	ND<1	0.068	ND<0.02	ND<1	ND<1	ND<1	3.5
	11-Jun-03	120	0.7	ND<1	ND<1	ND<1	ND<1	0.0097	0.011	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	150	0.6	ND<1	ND<1	ND<1	ND<1	0.186	0.034	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-7	12-Sep-02	270	4.1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	12-Sep-02	350	5.2	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	8-Oct-02	360	4.7	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	9-Oct-02	370	4.9	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	26-Nov-02	-	-	-	-	-	-	0.075	ND<0.02	-	-	-	-
	3-Jan-03	160	2.5	1.3	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
	23-Jan-03	120	2.3	1.1	ND<1	0.5	1.4	-	-	ND<1	ND<1	ND<1	ND<1
	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
	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
	13-May-03	140	3.1	1.0	ND<1	ND<1	ND<1	0.032	ND<0.02	ND<1	ND<1	ND<1	4.0
	11-Jun-03	140	2.0	ND<1	ND<1	ND<1	ND<1	0.0246	0.0086	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	150	2.1	ND<1	ND<1	ND<1	ND<1	0.024	0.041	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
	23-Sep-02	100	6.6	ND<1	ND<1	ND<1	-	-	-	1.4	ND<1	ND<1	ND<1
	8-Oct-02	100	7.5	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	9-Oct-02	94	6.6	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
	26-Nov-02	-	-	-	-	-	-	12.1	1.43	-	-	-	-
	3-Jan-03	59	4.3	4	ND<1	ND<1	ND<1	-	-	ND<1	2.4	ND<1	ND<1
	23-Jan-03	58	4.2	3.2	ND<1	ND<1	ND<1	-	-	ND<1	1.8	0.6	ND<1
	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
	23-Apr-03	41	2.0	1.8	ND<1	ND<1	ND<1	11.8	0.352	ND<1	ND<1	ND<1	ND<1
	13-May-03	61	3.9	3.8	ND<1	ND<1	ND<1	10.1	0.068	ND<1	1.8	ND<1	3.4
	11-Jun-03	57	3.1	2.7	ND<1	ND<1	ND<1	9.14	1.10	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	35	1.9	3.2	ND<1	ND<1	ND<1	10.5	0.43	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
	23-Sep-02	11	3	3.5	ND<1	ND<1	-	-	-	ND<1	5.3	ND<1	ND<1
	8-Oct-02	9.2	2.5	3.5	ND<1	ND<1	-	-	-	ND<1	6	1.1	ND<1
	9-Oct-02	16	3.4	6.6	ND<1	ND<1	-	-	-	ND<1	5.2	ND<1	ND<1
	26-Nov-02	-	-	-	-	-	-	2.99	1.72	-	-	-	-
	3-Jan-03	17	2.5	6.9	ND<1	ND<1	ND<1	-	-	ND<1	3.1	ND<1	ND<1
	23-Jan-03	23	2.8	4.3	ND<1	ND<1	ND<1	-	-	ND<1	2.5	0.6	ND<1
	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
	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
	13-May-03	21	1.8	3.6	ND<1	ND<1	ND<1	2.95	0.046	ND<1	1.9	ND<1	3.2
	11-Jun-03	18	1.6	4.8	ND<1	ND<1	ND<1	2.75	1.74	ND<1	ND<1	ND<1	ND<1
	23-Jul-03	4.7	1.6	7.3	ND<1	ND<1	ND<1	3.60	0.467	ND<1	3.6	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)*	Simulated Drawdown (feet)***
MW-43A	18.42	-	0.51
MW-43B	18.35	-	0.52
MW-43C	17.98	-	0.35
MW-45A	17.96	-	0.02
MW-46A	4.98	-	0.01
MW-46B	5.47	-	0.01
MW-48A	22.25	-	0
MW-48B	19.29	-	0
MW-49A	7.84	-	0.71
MW-49B	7.95	-	0.68
MW-49C	7.84	-	0.56
MW-50A	5.93	-	0.16
MW-50B	5.51	-	0.16
MW-50C	5.79	-	0.16
RW-1	23.45	1.40	1.28
RW-2	15.57	6.16	1.95
RW-3	2.85	1.22	0.98
RW-4**	11.2	-	1.57
RW-5	17.95	2.13	1.51
RW-6	15.84	7.63	0.96
RW-7	13.04	2.09	1.05
RW-8	6.72	3.22	1.18
RW-9**	3.64	-	1.34
MW B1	17.71	-	-0.84

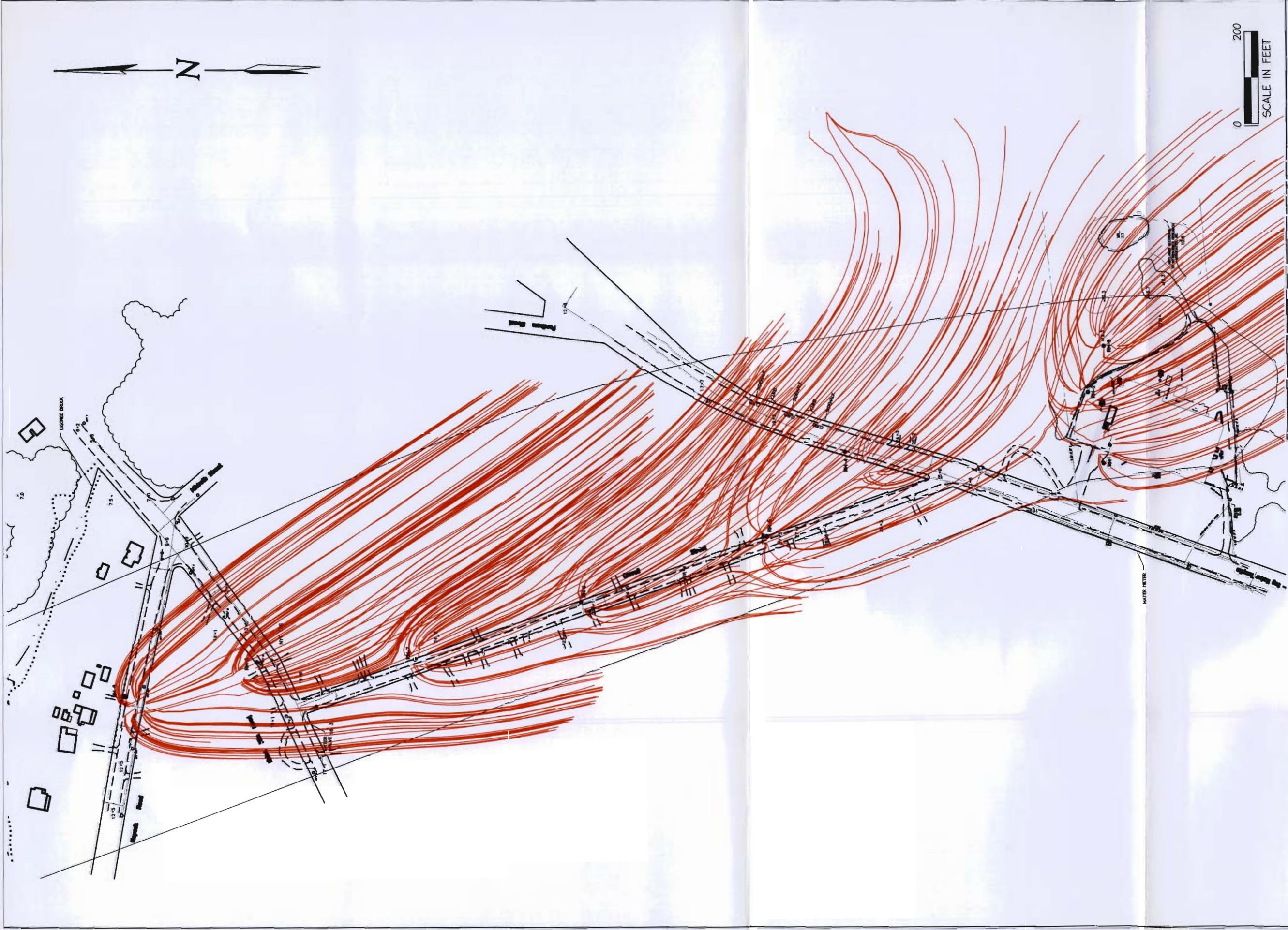
* measured
June 30, 2003

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

** Sensor malfunction.

*** Drawdown based on model simulation.

FIGURE



LEGEND

●
RW-1

GROUND-WATER RECOVERY WELL

REVERSE PARTICLE TRACKING

PLUME BOUNDARY BASED ON 1 PPB
OF ANY DETECTED PRIMARY PLUME CONSTITUENT

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

CAPTEVE ZONE ANALYSIS
PUMPING RATE @ 326 GPM

PREPARED BY:



LBG ENGINEERING SERVICES, P.C.
Professional Engineer and Civil Engineers
126 Monroe Turnpike
Trumbull CT 06611
(203) 452-3110

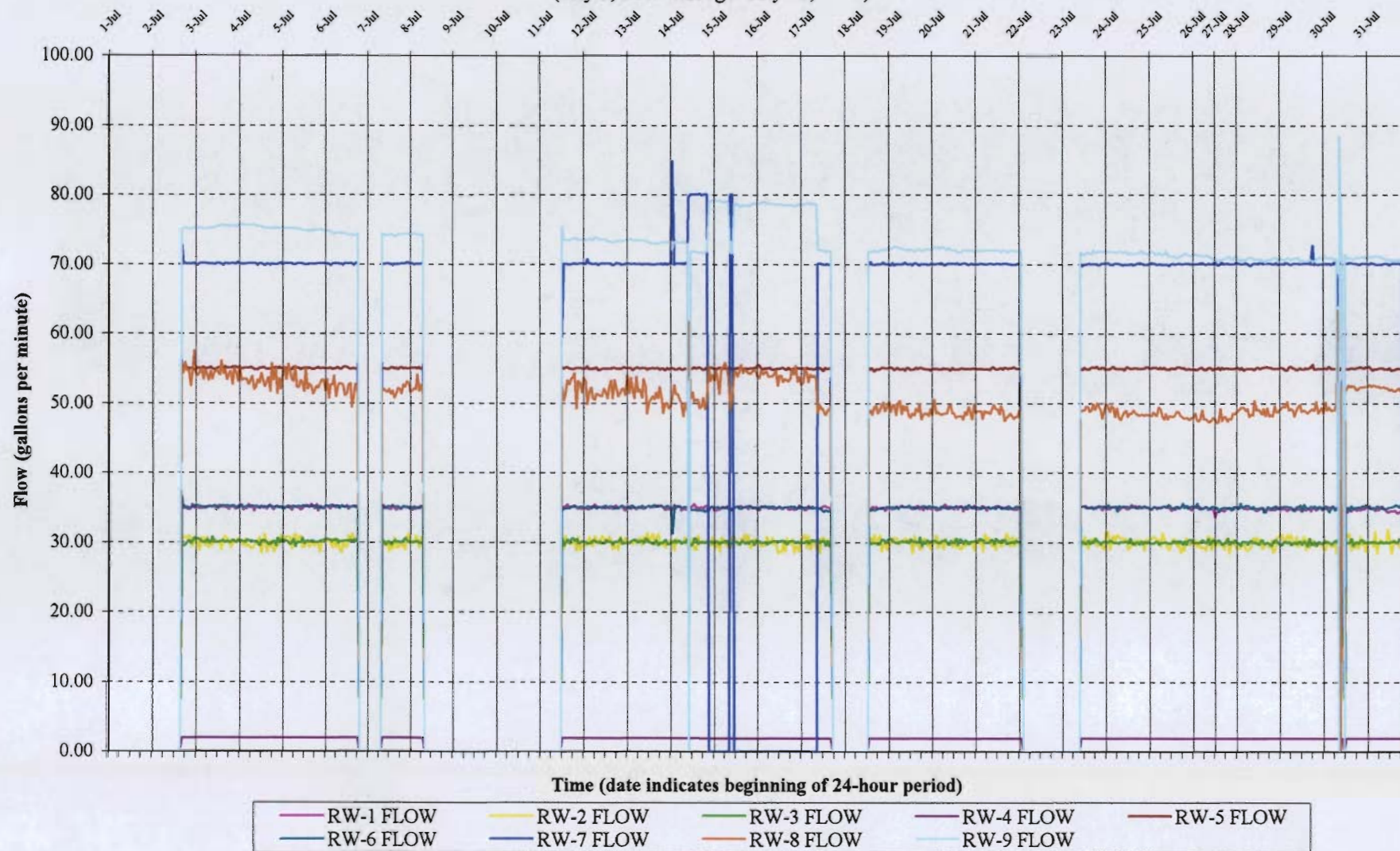
DATE	REVISED	DATE	CHECKED:	KT	DATE:	9/05/03	FIGURE:	1

GRAPHS

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

RECOVERY WELL FLOW DATA

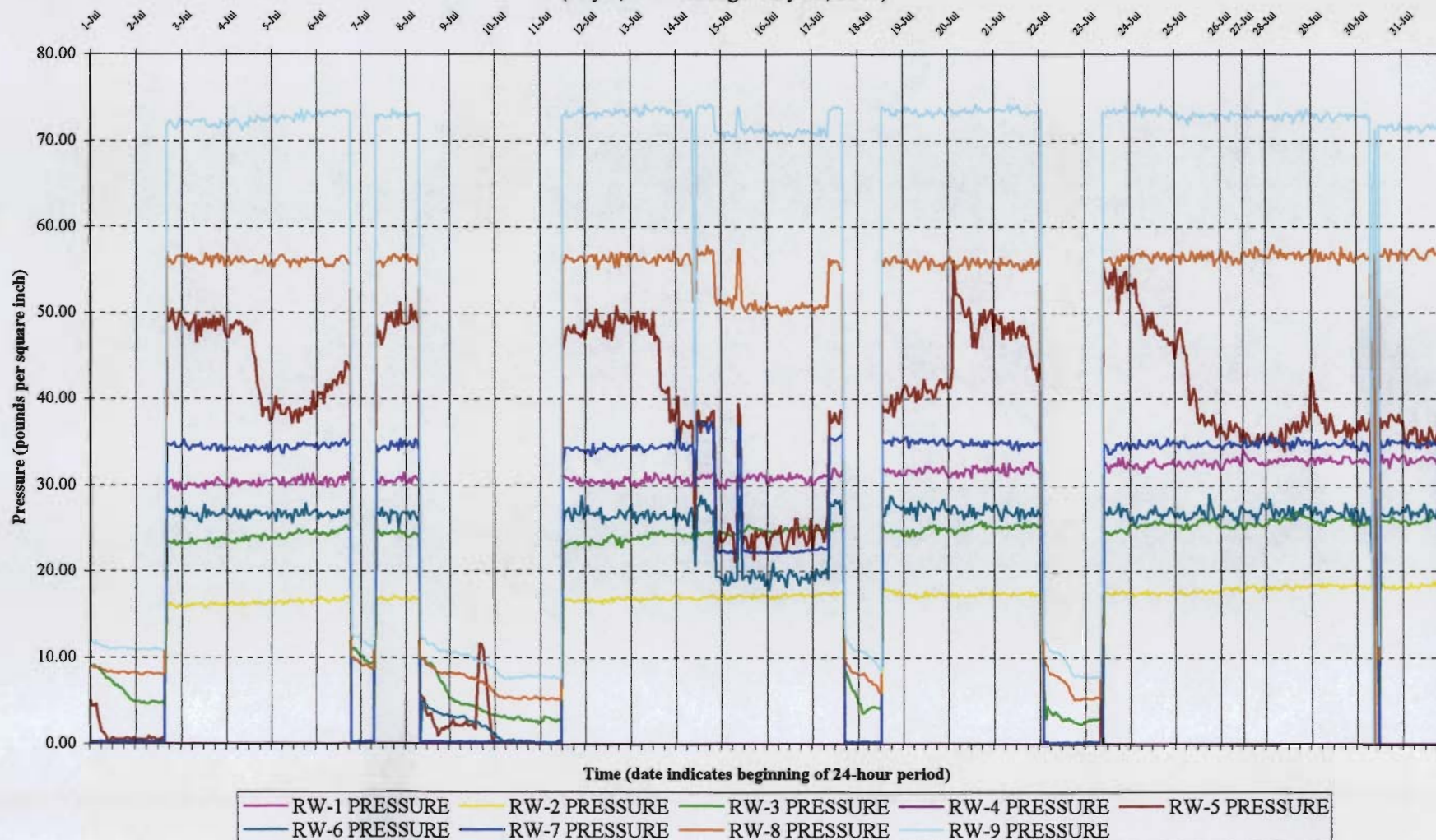
(July 1, 2003 through July 31, 2003)



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

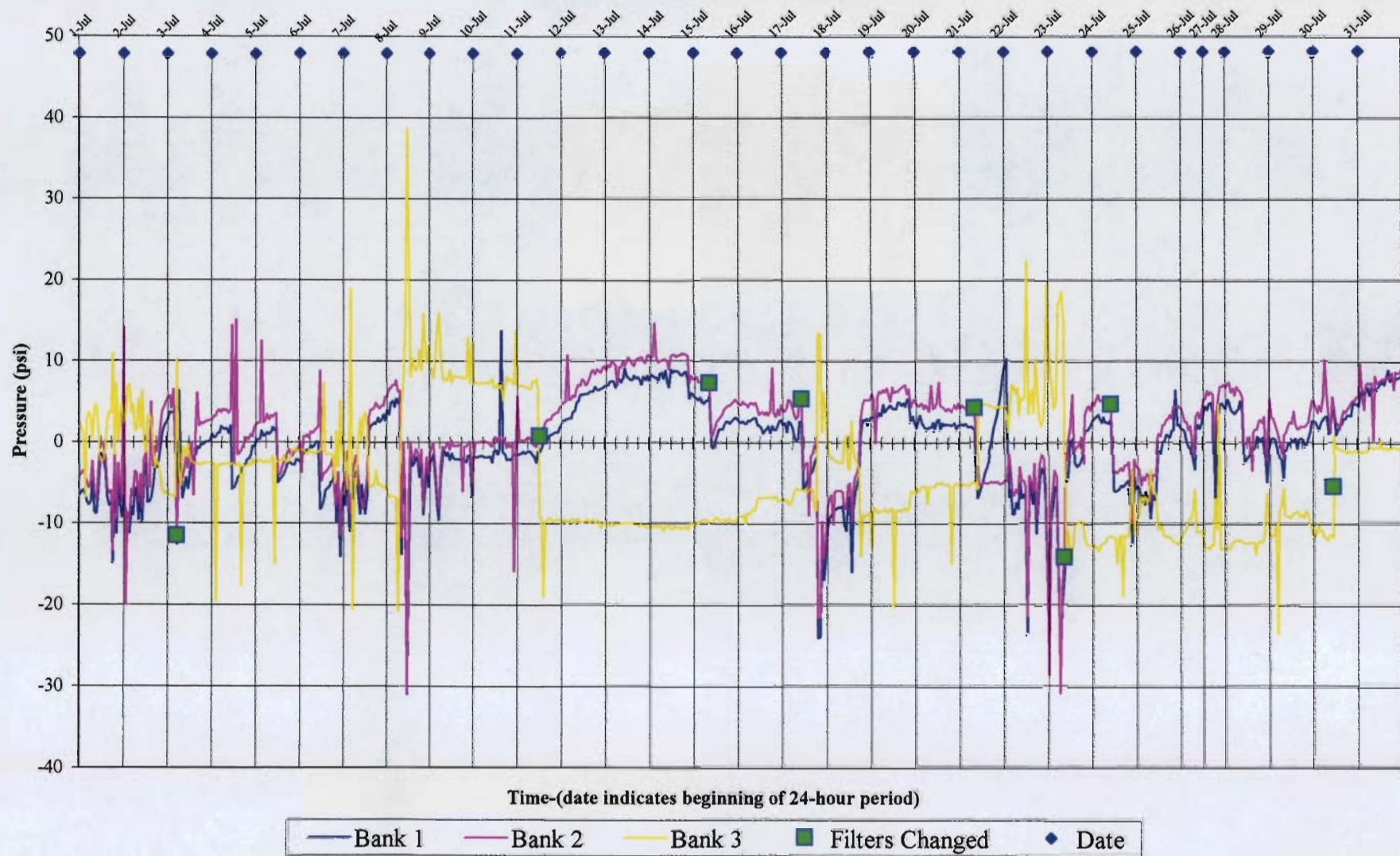
RECOVERY WELL PRESSURE DATA

(July 1, 2003 through July 31, 2003)



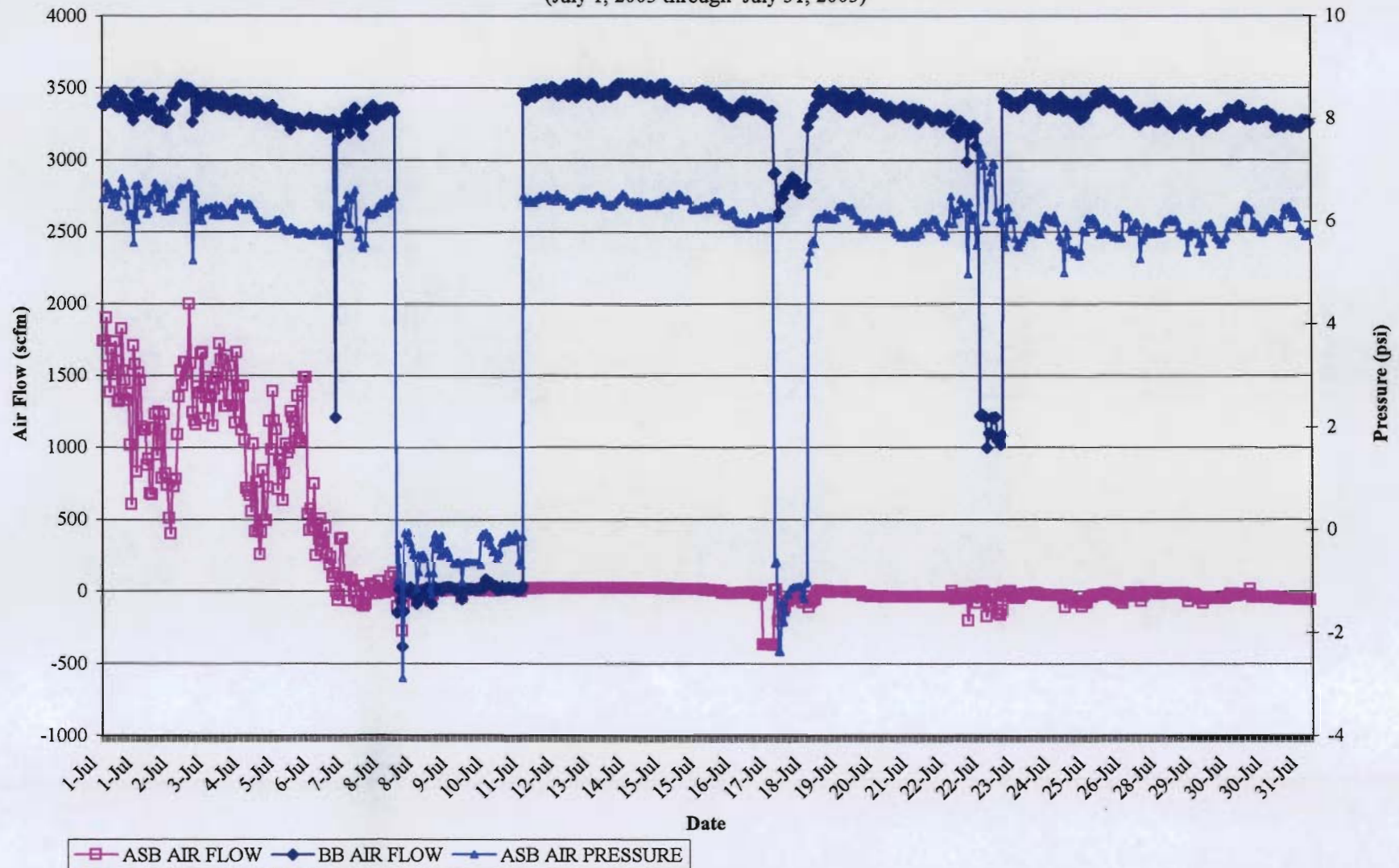
GRAPH 3
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FILTER BANK DIFFERENTIAL PRESSURE
 (July 1, 2003 through July 31, 2003)



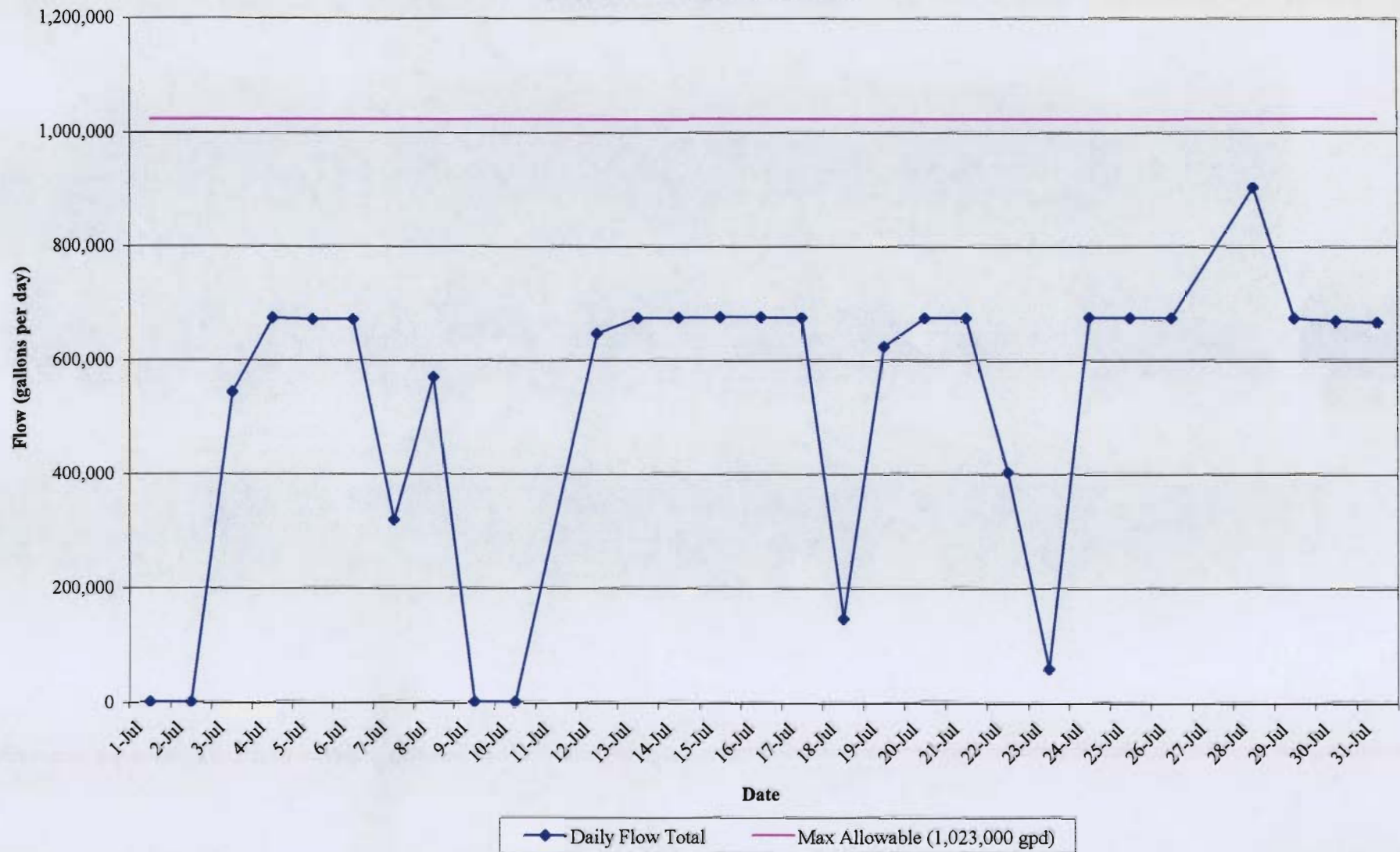
GRAPH 4
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

AIR STRIPPING TOWER: FLOW AND PRESSURE
 (July 1, 2003 through July 31, 2003)



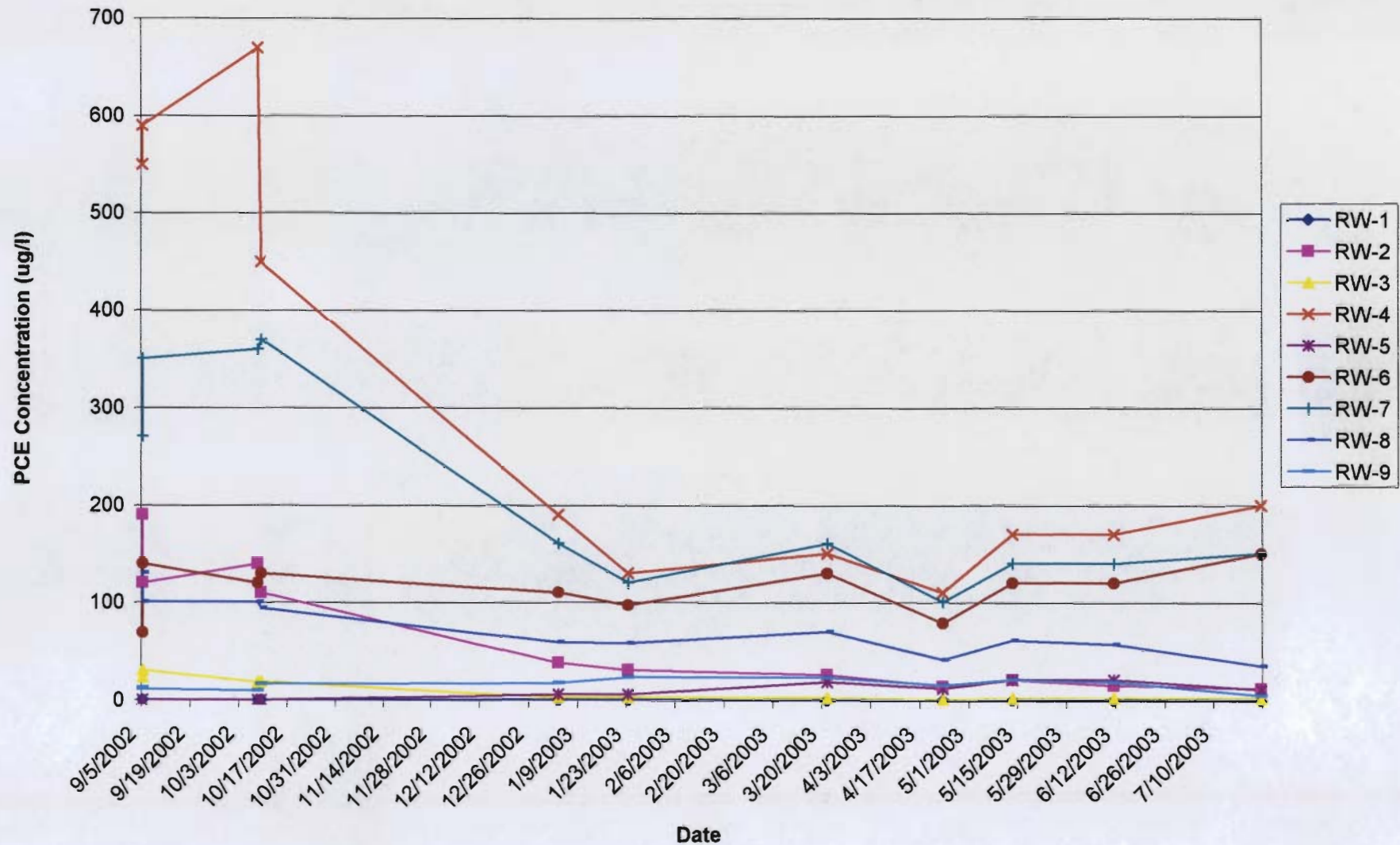
GRAPH 5
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

EFFLUENT FLOW DATA
 (July 1, 2003 through July 31, 2003)



GRAPH 15
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

RECOVERY WELL PCE CONCENTRATION IN MICROGRAMS PER LITER



APPENDIX I
WEEKLY OPERATIONS REPORT

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

WEEKLY OPERATIONS REPORT

Report Generated Sunday - Date:

7/7/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Speed	rpm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent Speed	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Current	amps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Discharge Pressure	psi	0.18	0.10	9.31	0.00	0.10	0.10	0.26	8.74	11.15
Static Groundwater Elev.	ft - MSL	57.20	41.32	15.89	30.21	43.28	37.53	31.39	17.97	11.24
Groundwater Drawdown	ft	-0.02	-1.14	-0.26	-45.58	-2.71	5.66	-1.76	0.82	-58.29

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	Off	Off	Off
Run Time	hours	1913	2068	2156	1505
Motor Speed	rpm	0.00	0.00	0.00	0.00
Percent Speed	%	0.00	0.00	0.00	0.00
Motor Current	amps	0.00	0.00	0.00	0.00
Flow	gpm	0.00		0.00	
Discharge Pressure	psi				
Equalization Tank Level	inches	30.10			
Transfer Tank Level	inches			41.02	
Transfer Tank pH				5.91	
Transfer Tank Conductivity	uS			-5294.72	

Multi-Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	11.51	11.71	7.75
Outlet Pressure	psi	16.01	14.23	12.19
Differential Pressure	psi	-4.50	-2.52	-4.44

Air Stripper Blowers			
Process Value	Units	AS Blower	Booster B
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	29.88	3275.01
Discharge Pressure	in WC	6.55	21.84
Motor Current	amps	7.71	22.29
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	6.61	0.00
Basin Level	inches	-0.06	0.12
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding	ft	1.79	

Notes:

System off due to low booster blower pressure alarm during generation of weekly report.

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

WEEKLY OPERATIONS REPORT

Report Generated Sunday - Date:

7/14/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4 ¹	RW5	RW6	RW7	RW8	RW9 ²
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	35.09	29.81	29.76	1.92	54.86	34.88	70.11	50.01	73.16
Motor Speed	rpm	1711.00	1537.00	1624.00	1305.00	1595.00	1711.00	1508.00	1740.00	1740.00
Percent Speed	%	98.29	88.30	93.30	74.97	91.63	98.29	86.63	99.96	99.96
Motor Current	amps	1.80	2.50	1.70	2.40	2.80	2.70	6.90	6.00	8.90
Discharge Pressure	psi	30.86	16.92	24.04	0.00	36.86	25.32	34.14	56.89	72.67
Static Groundwater Elev.	ft - MSL	57.20	41.32	15.89	30.21	43.28	37.53	31.39	17.97	11.24
Groundwater Drawdown	ft	1.43	7.79	1.48	-45.58	0.54	58.37	-0.84	2.44	-58.29

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	2003	2068	2246	1505
Motor Speed	rpm	1537.00	0.00	1102.00	0.00
Percent Speed	%	88.30	0.00	63.31	0.00
Motor Current	amps	17.60	0.00	14.80	0.00
Flow	gpm	417.58		405.49	
Discharge Pressure	psi				
Equalization Tank Level	inches	53.53			
Transfer Tank Level	inches			41.71	
Transfer Tank pH				6.07	
Transfer Tank Conductivity	uS			-99.52	

Multi - Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	25.59	25.56	5.95
Outlet Pressure	psi	17.26	16.07	16.58
Differential Pressure	psi	8.32	9.49	-10.62

Air Stripper Blowers			
Process Value	Units	AS Blower ³	Booster B.
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	21.88	3488.40
Discharge Pressure	in WC	6.32	25.12
Motor Current	amps	7.88	23.18
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	342.05	0.00
Basin Level	inches	12.15	0.11
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding	ft	2.50	

Notes:

1/ RW-4 flow and drawdown incorrect due to sensor power malfunction.

2/ RW-9 drawdown incorrect due to sensor malfunction.

3/ AS Blower air flow incorrect due to flow meter malfunction. Booster B. flow meter reading correct air flow rate through tower.

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

WEEKLY OPERATIONS REPORT

Report Generated Sunday - Date:

7/21/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4 ^{1/}	RW5	RW6	RW7	RW8	RW9 ^{2/}
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	34.61	29.97	30.14	1.92	54.86	34.93	69.95	48.65	71.91
Motor Speed	rpm	1711.00	1566.00	1653.00	1305.00	1595.00	1711.00	1508.00	1740.00	1740.00
Percent Speed	%	98.29	89.96	94.96	74.97	91.63	98.29	86.63	99.96	99.96
Motor Current	amps	1.80	2.60	1.70	2.30	2.80	2.70	5.90	6.00	9.00
Discharge Pressure	psi	31.18	17.40	25.01	0.00	48.48	27.57	34.94	55.85	73.39
Static Groundwater Elev.	ft - MSL	57.20	41.32	15.89	30.21	43.28	37.53	31.39	17.97	11.24
Groundwater Drawdown	ft	1.65	8.19	1.66	-45.58	0.69	53.18	-0.36	2.59	-58.29

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	Off	On	Off
Run Time	hours	2150	2119	2393	1505
Motor Speed	rpm	1537.00	0.00	1102.00	0.00
Percent Speed	%	88.30	0.00	63.31	0.00
Motor Current	amps	17.40	0.00	14.40	0.00
Flow	gpm	369.89		370.63	
Discharge Pressure	psi				
Equalization Tank Level	inches	54.10			
Transfer Tank Level	inches			41.71	
Transfer Tank pH				5.71	
Transfer Tank Conductivity	uS			-9744.38	

Mukti - Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	18.91	19.83	5.19
Outlet Pressure	psi	17.78	15.39	10.24
Differential Pressure	psi	1.13	4.44	-5.05

Air Stripper Blowers			
Process Value	Units	AS Blower	Booster B.
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	-38.24	3315.00
Discharge Pressure	in WC	5.86	21.17
Motor Current	amps	7.93	23.23
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	311.55	500.29
Basin Level	inches	12.38	-0.21
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding	ft	2.42	

Notes:

1/ RW-4 flow and drawdown incorrect due to sensor power malfunction.

2/ RW-9 drawdown incorrect due to sensor malfunction.

3/ AS, Blower air flow incorrect due to flow meter malfunction. Booster B. flow meter reading correct air flow rate through tower.

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

WEEKLY OPERATIONS REPORT

Report Generated Sunday - Date:

7/28/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4 ¹	RW5	RW6	RW7	RW8	RW9 ²
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	28.88	29.70	1.92	54.91	35.20	70.00	49.20	70.82
Motor Speed	rpm	1740.00	1624.00	1653.00	1305.00	1595.00	1711.00	1508.00	1740.00	1740.00
Percent Speed	%	99.96	93.30	94.96	74.97	91.63	98.29	86.63	99.96	99.96
Motor Current	amps	1.80	2.60	1.70	2.30	2.80	2.70	5.90	5.90	8.90
Discharge Pressure	psi	32.62	18.12	25.96	0.00	34.62	26.85	34.78	57.21	72.43
Static Groundwater Elev.	ft - MSL	57.20	41.32	15.89	30.21	43.28	37.53	31.39	17.97	11.24
Groundwater Drawdown	ft	1.76	8.23	1.89	-45.58	0.88	34.08	-0.73	2.66	-58.29

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	Off	On	Off
Run Time	hours	2271	2123	2514	1505
Motor Speed	rpm	1537.00	0.00	1102.00	0.00
Percent Speed	%	88.30	0.00	63.31	0.00
Motor Current	amps	17.40	0.00	14.60	0.00
Flow	gpm	390.65		374.28	
Discharge Pressure	psi				
Equalization Tank Level	inches	53.52			
Transfer Tank Level	inches			41.71	
Transfer Tank pH				5.81	
Transfer Tank Conductivity	uS			-6142.27	

Multi-Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	21.34	22.36	0.61
Outlet Pressure	psi	17.54	15.55	12.84
Differential Pressure	psi	3.79	6.81	-12.23

Air Stripper Blowers			
Process Value	Units	AS Blower	Booster B
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	-16.10	3348.94
Discharge Pressure	in WC	5.78	22.53
Motor Current	amps	7.81	22.76
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	335.83	0.00
Basin Level	inches	13.12	-0.19
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding	ft	1.90	

Notes:

1/ RW-4 flow and drawdown incorrect due to sensor power malfunction.

2/ RW-9 drawdown incorrect due to sensor malfunction.

3/ AS Blower air flow incorrect due to flow meter malfunction. Booster B flow meter reading correct air flow rate through tower.

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: Paul Jobmann

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:

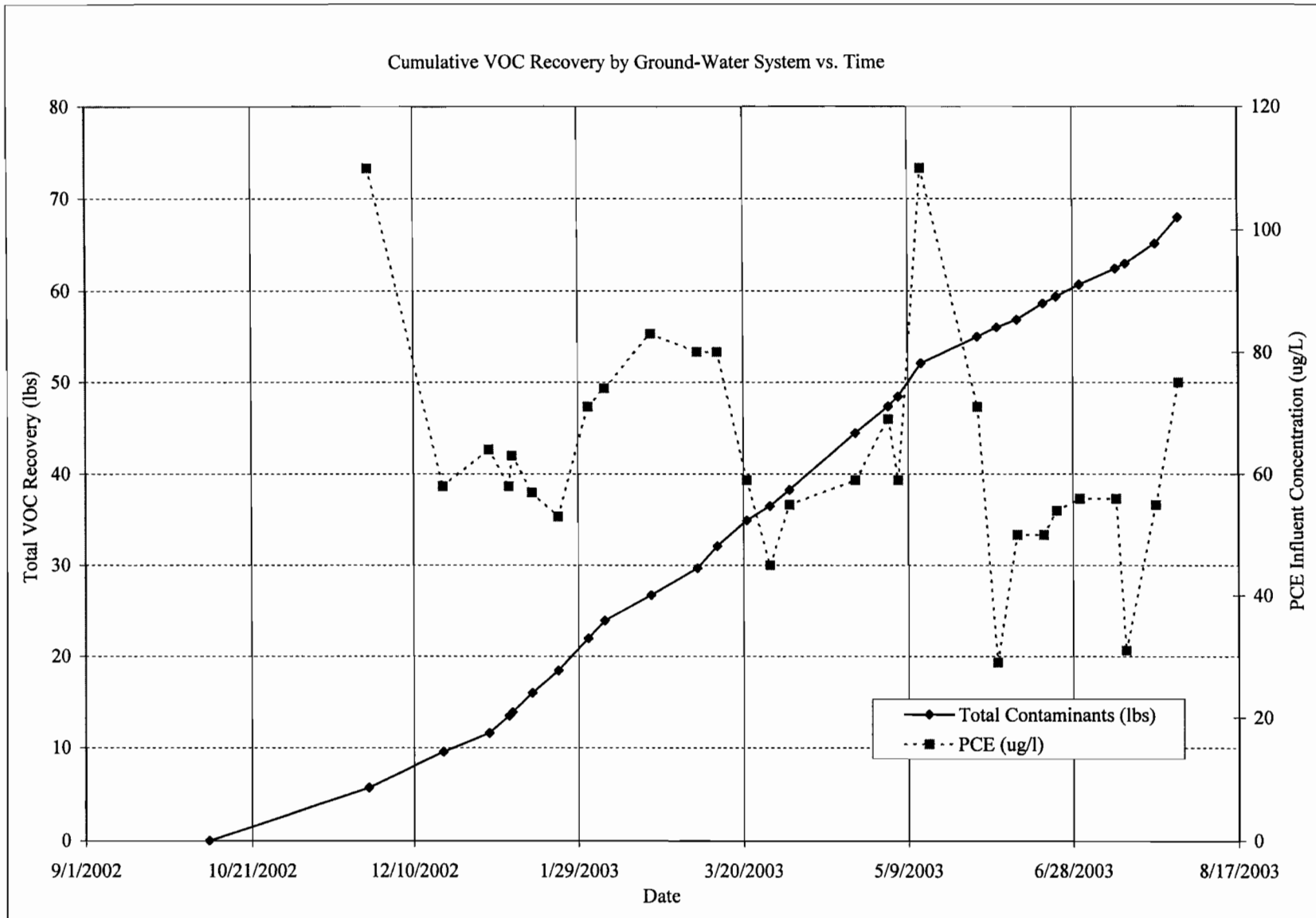
Date	PCE (ug/l)	TCE (ug/l)	TCA (ug/l)	cis-1,2-dichloroethene (ug/l)	Isopropyl benzene (ug/l)	Chloroform (ug/l)	Toluene (ug/l)
11/26/02 - 6/31/03	1617	49.1	45.1	1.1	0	1.5	0
7/11/2003	56	0	3	0	0	0	0
7/14/2003	31	0	1.4	0	0	0	0
7/23/2003	55	0.7	2.2	0	0	0	0
7/30/2003	75	2.6	2.3	0	0	0	0

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 - 6/31/03	105,080,200	57.4	1.7	1.5	0.05	0.0	0.04	0.0	60.7	60.7
7/11/03	3,508,100	1.6	0.0	0.1	0.0	0.0	0.0	0.0	1.7	62.4
7/14/03	2,019,000	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	62.9
7/23/03	4,595,600	2.1	0.0	0.1	0.0	0.0	0.0	0.0	2.2	65.2
7/30/03	4,255,000	2.7	0.1	0.1	0.0	0.0	0.0	0.0	2.8	68.0
Totals:	119,457,900	64.3	1.8	1.8	0.05	0.0	0.04	0.0	68.0	-

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



APPENDIX III
JULY 2003 LABORATORY ANALYTICAL REPORTS

American Analytical Laboratories, Inc.

Date: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-01A

Client Sample ID: WQ071103:1325 NP-6
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,1,1-Trichloroethane	3.0	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
2-Butanone	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
2-Hexanone	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Acetone	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Benzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Bromobenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Bromoform	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Bromomethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Chloroethane	U	1.0		µg/L	1	7/15/2003 10:24:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.**Client Sample ID:** WQ071103:1325 NP-6**Lab Order:** 0307053**Tag Number:****Project:** Rowe Industries**Collection Date:** 7/11/2003**Lab ID:** 0307053-01A**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Chloromethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Dibromomethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/15/2003 10:24:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Methylene chloride	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Naphthalene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
o-Xylene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Styrene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Tetrachloroethene	56	1.0		µg/L	1	7/15/2003 10:24:00 PM
Toluene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Trichloroethene	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/15/2003 10:24:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/15/2003 10:24:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-01B

Client Sample ID: WQ071103:1325 NP-6
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	6.39	0.0200		mg/L	1	7/18/2003 11:52:25 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-01C

Client Sample ID: WQ071103:1325 NP-6
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.153	0.0200		mg/L	1	7/18/2003 11:44:01 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-02A

Client Sample ID: WQ071103:1327 NP-7
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
2-Butanone	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
2-Hexanone	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Acetone	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Benzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Bromobenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Bromoform	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Bromomethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Chloroethane	U	1.0		µg/L	1	7/15/2003 11:03:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-02A

Client Sample ID: WQ071103:1327 NP-7
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Chloromethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Dibromomethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/15/2003 11:03:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Methylene chloride	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Naphthalene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
o-Xylene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Styrene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Toluene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Trichloroethene	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/15/2003 11:03:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/15/2003 11:03:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-02B

Client Sample ID: WQ071103:1327 NP-7
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	1.39	0.0200		mg/L	1	7/18/2003 11:57:08 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-02C

Client Sample ID: WQ071103:1327 NP-7
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.182	0.0200		mg/L	1	7/18/2003 11:54:51 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-03A

Client Sample ID: WQ071103:1330 NP-10
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
2-Butanone	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
2-Hexanone	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Acetone	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Benzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Bromobenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Bromoform	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Bromomethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Chloroethane	U	1.0		µg/L	1	7/15/2003 11:41:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-03A

Client Sample ID: WQ071103:1330 NP-10
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Chloromethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Dibromomethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/15/2003 11:41:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Methylene chloride	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Naphthalene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
o-Xylene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Styrene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Toluene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Trichloroethene	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/15/2003 11:41:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/15/2003 11:41:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-03B

Client Sample ID: WQ071103:1330 NP-10
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	2.61	0.0200		mg/L	1	7/18/2003 12:03:39 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-03C

Client Sample ID: WQ071103:1330 NP-10
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.162	0.0200		mg/L	1	7/18/2003 12:00:03 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307053
Project: Rowe Industries
Lab ID: 0307053-03D

Client Sample ID: WQ071103:1330 NP-10
Tag Number:
Collection Date: 7/11/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	100	1.0		mg/L	1	7/16/2003

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

[illegible]

American Analytical Laboratories, Inc.

Date: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-01A

Client Sample ID: WQ071403 1040 NP2-10
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 8:49:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-01A

Client Sample ID: WQ071403 1040 NP2-10
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 8:49:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 8:49:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 8:49:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-01B

Client Sample ID: WQ071403 1040 NP2-10
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	1.14	0.0200		mg/L	1	7/18/2003 12:09:09 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-01C

Client Sample ID: WQ071403 1040 NP2-10
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.171	0.0200		mg/L	1	7/18/2003 12:06:43 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-01D

Client Sample ID: WQ071403 1040 NP2-10
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	100	1.0		mg/L	1	7/18/2003

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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-02A

Client Sample ID: WQ071403 1047 NP2-7
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
2-Butanone	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
2-Hexanone	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Acetone	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Benzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Bromobenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Bromoform	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Bromomethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Chloroethane	U	1.0		µg/L	1	7/21/2003 9:09:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-02A

Client Sample ID: WQ071403 1047 NP2-7
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Chloromethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Dibromomethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/21/2003 9:09:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Methylene chloride	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Naphthalene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
o-Xylene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Styrene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Toluene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Trichloroethene	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/21/2003 9:09:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/21/2003 9:09:00 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:** 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-02B

Client Sample ID: WQ071403 1047 NP2-7
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	2.11	0.0200		mg/L	1	7/18/2003 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-02C

Client Sample ID: WQ071403 1047 NP2-7
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.226	0.0200		mg/L	1	7/18/2003 12:12:04 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-03A

Client Sample ID: WQ071403 1044 NP2-6
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,1,1-Trichloroethane	1.4	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
2-Butanone	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
2-Hexanone	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Acetone	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Benzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Bromobenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Bromoform	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Bromomethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Chloroethane	U	1.0		µg/L	1	7/21/2003 9:47:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-03A

Client Sample ID: WQ071403 1044 NP2-6
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Chloromethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Dibromomethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/21/2003 9:47:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Methylene chloride	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Naphthalene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
o-Xylene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Styrene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Tetrachloroethene	31	1.0		µg/L	1	7/21/2003 9:47:00 PM
Toluene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Trichloroethene	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/21/2003 9:47:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/21/2003 9:47:00 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.**Client Sample ID:** WQ071403 1044 NP2-6**Lab Order:** 0307064**Tag Number:****Project:** Rowe Industries**Collection Date:** 7/14/2003**Lab ID:** 0307064-03B**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	5.22	0.0200		mg/L	1	7/18/2003 12:30:19 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: 22-Jul-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307064
Project: Rowe Industries
Lab ID: 0307064-03C

Client Sample ID: WQ071403 1044 NP2-6
Tag Number:
Collection Date: 7/14/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.222	0.0200		mg/L	1	7/18/2003 12:17:33 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

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

American Analytical Laboratories, Inc.

Date: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-01A

Client Sample ID: WQ072303:110 NP2-5
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,1,1-Trichloroethane	2.2	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 2:39:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-01A

Client Sample ID: WQ072303:110 NP2-5
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 2:39:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Tetrachloroethene	55	1.0		µg/L	1	7/30/2003 2:39:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Trichloroethene	0.7	1.0	J	µg/L	1	7/30/2003 2:39:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 2:39:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 2:39:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-01B

Client Sample ID: WQ072303:110 NP2-5
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	3.62	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.488	0.0200		mg/L	1	7/30/2003 1:19:55 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-01C

Client Sample ID: WQ072303:110 NP2-5
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.276	0.0200		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	0.443	0.0200		mg/L	1	7/30/2003 1:17:32 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-02A

Client Sample ID: WQ072303:1213 NP2-7
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 3:17:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-02A

Client Sample ID: WQ072303:1213 NP2-7
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 3:17:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Trichloroethene	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 3:17:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 3:17:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.

Client Sample ID: WQ072303:1213 NP2-7

Lab Order: 0307112

Tag Number:

Project: Rowe Industries

Collection Date: 7/23/2003

Lab ID: 0307112-02B

Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	1.38	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.493	0.0200		mg/L	1	7/30/2003 1:24:57 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.**Client Sample ID:** WQ072303:1213 NP2-7**Lab Order:** 0307112**Tag Number:****Project:** Rowe Industries**Collection Date:** 7/23/2003**Lab ID:** 0307112-02C**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.283	0.0200		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	0.452	0.0200		mg/L	1	7/30/2003 1:22:38 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-03A

Client Sample ID: WQ072303:1130 NP2-10
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 3:56:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-03A

Client Sample ID: WQ072303:1130 NP2-10
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 3:56:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Trichloroethene	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 3:56:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 3:56:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-03B

Client Sample ID: WQ072303:1130 NP2-10
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	1.05	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.491	0.0200		mg/L	1	7/30/2003 1:29:47 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-03C

Client Sample ID: WQ072303:1130 NP2-10
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.264	0.0200		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	0.438	0.0200		mg/L	1	7/30/2003 1:27:27 PM
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	100	1.0		mg/L	1	7/29/2003

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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-04A

Client Sample ID: GQ072303:1000NP1-1-1
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 4:34:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-04A

Client Sample ID: GQ072303:1000NP1-1-1
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	2.9	1.0		µg/L	1	7/30/2003 4:34:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 4:34:00 PM
Methyl tert-butyl ether	6.6	1.0		µg/L	1	7/30/2003 4:34:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Trichloroethene	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 4:34:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 4:34:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-04B

Client Sample ID: GQ072303:1000NP1-1-1
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	0.010	0.0200	J	mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.176	0.0200		mg/L	1	7/30/2003 1:34:45 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-04C

Client Sample ID: GQ072303:1000NP1-1-1
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.0300	0.0200		mg/L	1	7/30/2003
HARDNESS		M2340 B				Analyst: JP
Hardness, Calcium/Magnesium (As CaCO3)	48.2	10.0		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	0.167	0.0200		mg/L	1	7/30/2003 1:32:21 PM
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	150	1.0		mg/L	1	7/29/2003
TURBIDITY		E180.1				Analyst: KK
Turbidity	U	1.00	H	NTU	1	7/30/2003

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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-05A

Client Sample ID: GQ072303:1015NP1-1-2
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 5:12:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.

Client Sample ID: GQ072303:1015NP1-1-2

Lab Order: 0307112

Tag Number:

Project: Rowe Industries

Collection Date: 7/23/2003

Lab ID: 0307112-05A

Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 5:12:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Tetrachloroethene	12	1.0		µg/L	1	7/30/2003 5:12:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Trichloroethene	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 5:12:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 5:12:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-05B

Client Sample ID: GQ072303:1015NP1-1-2
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	5.34	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	1.42	0.0200		mg/L	1	7/30/2003 1:44:37 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.**Client Sample ID:** GQ072303:1015NP1-1-2**Lab Order:** 0307112**Tag Number:****Project:** Rowe Industries**Collection Date:** 7/23/2003**Lab ID:** 0307112-05C**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.438	0.0200		mg/L	1	7/30/2003
HARDNESS		M2340 B				Analyst: JP
Hardness, Calcium/Magnesium (As CaCO3)	43.4	10.0		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	1.31	0.0200		mg/L	1	7/30/2003 1:42:05 PM
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	98	1.0		mg/L	1	7/29/2003
TURBIDITY		E180.1				Analyst: KK
Turbidity	4.20	1.00	H	NTU	1	7/30/2003

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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-06A

Client Sample ID: GQ072303:1025NP1-1-3
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,1,1-Trichloroethane	2.3	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 5:50:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-06A

Client Sample ID: GQ072303:1025NP1-1-3
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 5:50:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Tetrachloroethene	2.3	1.0		µg/L	1	7/30/2003 5:50:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Trichloroethene	5.7	1.0		µg/L	1	7/30/2003 5:50:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 5:50:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 5:50:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.**Client Sample ID:** GQ072303:1025NP1-1-3**Lab Order:** 0307112**Tag Number:****Project:** Rowe Industries**Collection Date:** 7/23/2003**Lab ID:** 0307112-06B**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	1.77	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.105	0.0200		mg/L	1	7/30/2003 1:49:30 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-06C

Client Sample ID: GQ072303:1025NP1-1-3
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.636	0.0200		mg/L	1	7/30/2003
HARDNESS		M2340 B				Analyst: JP
Hardness, Calcium/Magnesium (As CaCO3)	35.0	10.0		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	0.0945	0.0200		mg/L	1	7/30/2003 1:46:56 PM
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	78	1.0		mg/L	1	7/29/2003
TURBIDITY		E180.1				Analyst: KK
Turbidity	3.00	1.00	H	NTU	1	7/30/2003

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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-07A

Client Sample ID: GQ072303:1040NP1-1-4
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,1,1-Trichloroethane	1.3	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 6:28:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-07A

Client Sample ID: GQ072303:1040NP1-1-4
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 6:28:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Tetrachloroethene	200	5.0		µg/L	5	7/31/2003 11:02:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Trichloroethene	5.9	1.0		µg/L	1	7/30/2003 6:28:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 6:28:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 6:28:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-07B

Client Sample ID: GQ072303:1040NP1-1-4
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	2.67	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	1.49	0.0200		mg/L	1	7/30/2003 1:55:40 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-07C

Client Sample ID: GQ072303:1040NP1-1-4
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.292	0.0200		mg/L	1	7/30/2003
HARDNESS		M2340 B				Analyst: JP
Hardness, Calcium/Magnesium (As CaCO ₃)	36.1	10.0		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	1.35	0.0200		mg/L	1	7/30/2003 1:53:19 PM
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	81	1.0		mg/L	1	7/29/2003
TURBIDITY		E180.1				Analyst: KK
Turbidity	2.20	1.00	H	NTU	1	7/30/2003

Qualifiers: ND - Not Detected at the Reporting Limit
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* - 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-08A

Client Sample ID: GQ072303:1057NP1-1-5
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 7:07:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-08A

Client Sample ID: GQ072303:1057NP1-1-5
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	1.1	1.0		µg/L	1	7/30/2003 7:07:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 7:07:00 PM
Methyl tert-butyl ether	9.7	1.0		µg/L	1	7/30/2003 7:07:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Tetrachloroethene	11	1.0		µg/L	1	7/30/2003 7:07:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Trichloroethene	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 7:07:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 7:07:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-08B

Client Sample ID: GQ072303:1057NP1-1-5
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	6.47	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.014	0.0200	J	mg/L	1	7/30/2003 2:00:44 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-08C

Client Sample ID: GQ072303:1057NP1-1-5
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.0680	0.0200		mg/L	1	7/30/2003
HARDNESS		M2340 B				Analyst: JP
Hardness, Calcium/Magnesium (As CaCO3)	33.5	10.0		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	U	0.0200		mg/L	1	7/30/2003 1:58:05 PM
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	110	1.0		mg/L	1	7/29/2003
TURBIDITY		E180.1				Analyst: KK
Turbidity	U	1.00	H	NTU	1	7/30/2003

Qualifiers: ND - Not Detected at the Reporting Limit
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* - 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-09A

Client Sample ID: GQ072303:1110NP1-1-6
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 7:45:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-09A

Client Sample ID: GQ072303:1110NP1-1-6
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 7:45:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Tetrachloroethene	150	1.0		µg/L	1	7/30/2003 7:45:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Trichloroethene	0.6	1.0	J	µg/L	1	7/30/2003 7:45:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 7:45:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 7:45:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-09B

Client Sample ID: GQ072303:1110NP1-1-6
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	0.186	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.365	0.0200		mg/L	1	7/30/2003 2:05:40 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-09C

Client Sample ID: GQ072303:1110NP1-1-6
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON Iron	0.0340	E200.7 0.0200		(SW3005A) mg/L	1	Analyst: JP 7/30/2003
HARDNESS Hardness, Calcium/Magnesium (As CaCO ₃)	44.8	M2340 B 10.0		mg/L	1	Analyst: JP 7/30/2003
MANGANESE DISSOLVED Manganese	0.341	E200.7 0.0200		mg/L	1	Analyst: JP 7/30/2003 2:03:04 PM
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	160	E160.1 1.0		mg/L	1	Analyst: BK 7/29/2003
TURBIDITY Turbidity	U	E180.1 1.00	H	NTU	1	Analyst: KK 7/30/2003

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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-10A

Client Sample ID: GQ072303:1125NP1-1-7
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 8:23:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-10A

Client Sample ID: GQ072303:1125NP1-1-7
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 8:23:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Tetrachloroethene	150	1.0		µg/L	1	7/30/2003 8:23:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Trichloroethene	2.1	1.0		µg/L	1	7/30/2003 8:23:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 8:23:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 8:23:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.**Client Sample ID:** GQ072303:1125NP1-1-7**Lab Order:** 0307112**Tag Number:****Project:** Rowe Industries**Collection Date:** 7/23/2003**Lab ID:** 0307112-10B**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	0.0240	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.0882	0.0200		mg/L	1	7/30/2003 2:22:37 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-10C

Client Sample ID: GQ072303:1125NP1-1-7
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON Iron	0.0410	E200.7 0.0200		(SW3005A) mg/L	1	Analyst: JP 7/30/2003
HARDNESS Hardness, Calcium/Magnesium (As CaCO3)	36.8	M2340 B 10.0		mg/L	1	Analyst: JP 7/30/2003
MANGANESE DISSOLVED Manganese	0.0839	E200.7 0.0200		mg/L	1	Analyst: JP 7/30/2003 2:19:37 PM
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	130	E160.1 1.0		mg/L	1	Analyst: BK 7/29/2003
TURBIDITY Turbidity	U	E180.1 1.00	H	NTU	1	Analyst: KK 7/30/2003

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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-11A

Client Sample ID: GQ072303:1135NP1-1-8
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,1,1-Trichloroethane	3.2	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 9:01:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-11A

Client Sample ID: GQ072303:1135NP1-1-8
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 9:01:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Tetrachloroethene	35	1.0		µg/L	1	7/30/2003 9:01:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Trichloroethene	1.9	1.0		µg/L	1	7/30/2003 9:01:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 9:01:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 9:01:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-11B

Client Sample ID: GQ072303:1135NP1-1-8
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	10.5	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.391	0.0200		mg/L	1	7/30/2003 2:27:47 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.**Client Sample ID:** GQ072303:1135NP1-1-8**Lab Order:** 0307112**Tag Number:****Project:** Rowe Industries**Collection Date:** 7/23/2003**Lab ID:** 0307112-11C**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.432	0.0200		mg/L	1	7/30/2003
HARDNESS		M2340 B				Analyst: JP
Hardness, Calcium/Magnesium (As CaCO3)	20.4	10.0		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	0.355	0.0200		mg/L	1	7/30/2003 2:25:17 PM
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	77	1.0		mg/L	1	7/29/2003
TURBIDITY		E180.1				Analyst: KK
Turbidity	3.30	1.00	H	NTU	1	7/30/2003

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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-12A

Client Sample ID: GQ072303:1149NP1-1-9
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,1,1-Trichloroethane	7.3	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,1-Dichloroethane	3.6	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
2-Butanone	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
2-Hexanone	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Acetone	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Benzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Bromobenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Bromoform	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Bromomethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Chloroethane	U	1.0		µg/L	1	7/30/2003 9:40:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-12A

Client Sample ID: GQ072303:1149NP1-1-9
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Chloromethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Dibromomethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/30/2003 9:40:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Methylene chloride	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Naphthalene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
o-Xylene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Styrene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Tetrachloroethene	4.7	1.0		µg/L	1	7/30/2003 9:40:00 PM
Toluene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Trichloroethene	1.6	1.0		µg/L	1	7/30/2003 9:40:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Vinyl acetate	U	1.0		µg/L	1	7/30/2003 9:40:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/30/2003 9:40:00 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-12B

Client Sample ID: GQ072303:1149NP1-1-9
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	3.60	0.0200		mg/L	1	7/30/2003
MANGANESE		E200.7				Analyst: JP
Manganese	0.986	0.0200		mg/L	1	7/30/2003 2:34:35 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: 04-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0307112
Project: Rowe Industries
Lab ID: 0307112-12C

Client Sample ID: GQ072303:1149NP1-1-9
Tag Number:
Collection Date: 7/23/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.467	0.0200		mg/L	1	7/30/2003
HARDNESS		M2340 B				Analyst: JP
Hardness, Calcium/Magnesium (As CaCO3)	25.4	10.0		mg/L	1	7/30/2003
MANGANESE DISSOLVED		E200.7				Analyst: JP
Manganese	0.919	0.0200		mg/L	1	7/30/2003 2:30:16 PM
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: BK
Total Dissolved Solids (Residue, Filterable)	94	1.0		mg/L	1	7/29/2003
TURBIDITY		E180.1				Analyst: KK
Turbidity	2.00	1.00	H	NTU	1	7/30/2003

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

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS		CONTACT:		SAMPLER (SIGNATURE)		DATE		TIME		SAMPLE(S) SEALED		YES / NO			
PROJECT LOCATION:				SAMPLER NAME (PRINT)						CORRECT CONTAINER(S)		YES / NO			
LABORATORY ID #		MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	ANALYSIS REQUIRED									
0307112-01A		L	G	NEW HMB	WQ072303:1110 NP2-5	X	X	X	X	X	X				
0307112-02A					WQ072303:1213 NP2-7										
0307112-03A					WQ072303:1130 NP2-10						X				
0307112-04A					GW072303:1000 NP1-1-1						X	X	X		
0307112-05A					GW072303:1015 NP1-1-2										
0307112-06A					GW072303:1025 NP1-1-3										
0307112-07A					GW072303:1040 NP1-1-4										
0307112-08A					GW072303:1057 NP1-1-5										
0307112-09A					GW072303:1110 NP1-1-6										
0307112-10A					GW072303:1125 NP1-1-7										
0307112-11A					GW072303:1135 NP1-1-8										
0307112-12A					GW072303:1149 NP1-1-9										
MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A=AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON						TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY 1/1				COMMENTS / INSTRUCTIONS					
RELINQUISHED BY (SIGNATURE)		DATE TIME		PRINTED NAME		RECEIVED BY LAB (SIGNATURE)		DATE TIME		PRINTED NAME					
RELINQUISHED BY (SIGNATURE)		DATE TIME		PRINTED NAME		RECEIVED BY LAB (SIGNATURE)		DATE TIME		PRINTED NAME					

American Analytical Laboratories, Inc.

Date: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-01A

Client Sample ID: WQ073003:1400 NP2-6
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,1,1-Trichloroethane	2.3	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
2-Butanone	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
2-Hexanone	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Acetone	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Benzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Bromobenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Bromochloromethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Bromodichloromethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Bromoform	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Bromomethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Carbon disulfide	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Chlorobenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Chloroethane	U	1.0		µg/L	1	8/4/2003 10:24:00 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-01A

Client Sample ID: WQ073003:1400 NP2-6
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Chloromethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Dibromochloromethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Dibromomethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Ethylbenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Isopropylbenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
m,p-Xylene	U	2.0		µg/L	1	8/4/2003 10:24:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Methylene chloride	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Naphthalene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
n-Butylbenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
n-Propylbenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
o-Xylene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Styrene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Tetrachloroethene	75	1.0		µg/L	1	8/4/2003 10:24:00 PM
Toluene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Trichloroethene	2.6	1.0		µg/L	1	8/4/2003 10:24:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Vinyl acetate	U	1.0		µg/L	1	8/4/2003 10:24:00 PM
Vinyl chloride	U	1.0		µg/L	1	8/4/2003 10:24:00 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-01B

Client Sample ID: WQ073003:1400 NP2-6
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	1.04	0.0200		mg/L	1	8/5/2003 9:59:01 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-01C

Client Sample ID: WQ073003:1400 NP2-6
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.0360	0.0200		mg/L	1	8/5/2003 9:56:12 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-02A

Client Sample ID: WQ073003:1410 NP2-7
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1						
		SW8260B				Analyst: LDS
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
2-Butanone	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
2-Hexanone	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Acetone	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Benzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Bromobenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Bromochloromethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Bromodichloromethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Bromoform	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Bromomethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Carbon disulfide	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Chlorobenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Chloroethane	U	1.0		µg/L	1	8/4/2003 11:03:00 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-02A

Client Sample ID: WQ073003:1410 NP2-7
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Chloromethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Dibromochloromethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Dibromomethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Ethylbenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Isopropylbenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
m,p-Xylene	U	2.0		µg/L	1	8/4/2003 11:03:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Methylene chloride	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Naphthalene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
n-Butylbenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
n-Propylbenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
o-Xylene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Styrene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Tetrachloroethene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Toluene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Trichloroethene	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Vinyl acetate	U	1.0		µg/L	1	8/4/2003 11:03:00 PM
Vinyl chloride	U	1.0		µg/L	1	8/4/2003 11:03:00 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.**Client Sample ID:** WQ073003:1410 NP2-7**Lab Order:** 0308002**Tag Number:****Project:** Rowe Industries**Collection Date:** 7/30/2003**Lab ID:** 0308002-02B**Matrix:** LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	0.574	0.0200		mg/L	1	8/5/2003 10:04:26 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.

Client Sample ID: WQ073003:1410 NP2-7

Lab Order: 0308002

Tag Number:

Project: Rowe Industries

Collection Date: 7/30/2003

Lab ID: 0308002-02C

Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.0340	0.0200		mg/L	1	8/5/2003 10:02:15 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-03A

Client Sample ID: WQ073003:1405 NP2-10
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
2-Butanone	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
2-Hexanone	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Acetone	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Benzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Bromobenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Bromochloromethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Bromodichloromethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Bromoform	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Bromomethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Carbon disulfide	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Carbon tetrachloride	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Chlorobenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Chloroethane	U	1.0		µg/L	1	8/4/2003 11:40:00 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-03A

Client Sample ID: WQ073003:1405 NP2-10
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		SW8260B		Analyst: LDS		
Chloroform	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Chloromethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Dibromochloromethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Dibromomethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Ethylbenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Isopropylbenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
m,p-Xylene	U	2.0		µg/L	1	8/4/2003 11:40:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Methylene chloride	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Naphthalene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
n-Butylbenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
n-Propylbenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
o-Xylene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Styrene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Tetrachloroethene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Toluene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Trichloroethene	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Vinyl acetate	U	1.0		µg/L	1	8/4/2003 11:40:00 PM
Vinyl chloride	U	1.0		µg/L	1	8/4/2003 11:40:00 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-03B

Client Sample ID: WQ073003:1405 NP2-10
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		E200.7		(SW3010A)		Analyst: JP
Iron	0.286	0.0200		mg/L	1	8/5/2003 10:09:02 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-03C

Client Sample ID: WQ073003:1405 NP2-10
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		E200.7		(SW3005A)		Analyst: JP
Iron	0.0470	0.0200		mg/L	1	8/5/2003 10:06:52 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: 06-Aug-03

CLIENT: Legette Brashears & Graham Inc.
Lab Order: 0308002
Project: Rowe Industries
Lab ID: 0308002-03D

Client Sample ID: WQ073003:1405 NP2-10
Tag Number:
Collection Date: 7/30/2003
Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: BK
Total Dissolved Solids (Residue, Filterable)	100	1.0		mg/L	1	8/4/2003

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.

56 TOLEDO STREET

FARMINGDALE, NEW YORK 11735

TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFIERS

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.



AMERICAN
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LABORATORIES, INC.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

STL Connecticut		Form 1		Client Sample ID		AQ07113:1340 NP4-1	
Method: TO17				Lab Sample ID		204154-1	
Sample Volume (L)		1.000		Date Sampled		7/11/2003	
Temp (C)		25		Date Analyzed		7/18/2003	
Compound	nL/L (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	5.7	B	5.1	0.022	B	0.020	
Chloroethane	7.6	U	7.6	0.020	U	0.020	
1,1-Dichloroethene	1.5	J	2.5	0.006	J	0.010	
Carbon Disulfide	13.8		3.2	0.043		0.010	
Methylene Chloride	3.5	B	2.9	0.012	B	0.010	
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010	
1,1-Dichloroethane	2.5		2.5	0.010		0.010	
cis-1,2-Dichloroethene	0.5	J	2.5	0.002	J	0.010	
Chloroform	1.8	J	2.1	0.009	J	0.010	
1,1,1-Trichloroethane	7.5		1.8	0.041		0.010	
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010	
Benzene	0.9	J	3.1	0.003	J	0.010	
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010	
Trichloroethene	4.9		1.9	0.026		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	2.9		2.7	0.011		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	100.2	A	1.5	0.680	A	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	0.5	J	2.3	0.002	J	0.010	
m&p-Xylenes	1.2	J	2.3	0.005	J	0.010	
o-Xylene	0.5	J	2.3	0.002	J	0.010	
Styrene	0.2	J	2.4	0.001	J	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	

0000002

STL Connecticut		Form 1		Client Sample ID		AQ07113:1341 NP4-2	
Method: TO17				Lab Sample ID		204154-2	
Sample Volume (L)		1.000		Date Sampled		7/11/2003	
Temp (C)		25		Date Analyzed		7/18/2003	
Compound	nL/L (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	1.3 JB	5.1	0.005 JB	0.020			
Chloroethane	7.6 U	7.6	0.020 U	0.020			
1,1-Dichloroethene	1.3 J	2.5	0.005 J	0.010			
Carbon Disulfide	9.6	3.2	0.030	0.010			
Methylene Chloride	1.4 JB	2.9	0.005 JB	0.010			
trans-1,2-Dichloroethene	2.5 U	2.5	0.010 U	0.010			
1,1-Dichloroethane	2.0 J	2.5	0.008 J	0.010			
cis-1,2-Dichloroethene	1.0 J	2.5	0.004 J	0.010			
Chloroform	1.2 J	2.1	0.006 J	0.010			
1,1,1-Trichloroethane	4.0	1.8	0.022	0.010			
Carbon Tetrachloride	1.6 U	1.6	0.010 U	0.010			
Benzene	1.3 J	3.1	0.004 J	0.010			
1,2-Dichloroethane	2.5 U	2.5	0.010 U	0.010			
Trichloroethene	0.7 J	1.9	0.004 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	1.9 J	2.7	0.007 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	1.3 J	1.5	0.009 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	0.2 J	2.3	0.001 J	0.010			
m&p-Xylenes	0.7 J	2.3	0.003 J	0.010			
o-Xylene	0.5 J	2.3	0.002 J	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			

00000003

STL Connecticut		Form 1		Client Sample ID		AQ07113:1343 NP4-3	
Method: TO17				Lab Sample ID		204154-3	
Sample Volume (L)		1.000		Date Sampled		7/11/2003	
Temp (C)		25		Date Analyzed		7/18/2003	
Compound	nL/L (ppbv/v) Qualifier	RL	mg/M3 Qualifier	RL			
Chloromethane	1.0 J	9.7	0.002 J	0.020			
Vinyl Chloride	7.8 U	7.8	0.020 U	0.020			
Bromomethane	4.1 JB	5.1	0.016 JB	0.020			
Chloroethane	7.6 U	7.6	0.020 U	0.020			
1,1-Dichloroethene	2.0 J	2.5	0.008 J	0.010			
Carbon Disulfide	12.9	3.2	0.040	0.010			
Methylene Chloride	2.3 JB	2.9	0.008 JB	0.010			
trans-1,2-Dichloroethene	2.5 U	2.5	0.010 U	0.010			
1,1-Dichloroethane	2.7	2.5	0.011	0.010			
cis-1,2-Dichloroethene	0.8 J	2.5	0.003 J	0.010			
Chloroform	1.4 J	2.1	0.007 J	0.010			
1,1,1-Trichloroethane	2.4	1.8	0.013	0.010			
Carbon Tetrachloride	1.6 U	1.6	0.010 U	0.010			
Benzene	0.6 J	3.1	0.002 J	0.010			
1,2-Dichloroethane	2.5 U	2.5	0.010 U	0.010			
Trichloroethene	0.2 J	1.9	0.001 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	2.4 J	2.7	0.009 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	0.3 J	1.5	0.002 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	0.5 J	2.3	0.002 J	0.010			
m&p-Xylenes	0.7 J	2.3	0.003 J	0.010			
o-Xylene	0.5 J	2.3	0.002 J	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			

0000004

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/25/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRI: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

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: Paul Jobmann

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 ³)	TCE (mg/m ³)	TCA (mg/m ³)	DCE (mg/m ³)	DCA (mg/m ³)	cis-DCE (mg/m ³)	Toluene (mg/m ³)	Benzene (mg/m ³)	m&p-Xylenes (mg/m ³)
Allowable Conc.	0.0068	0.041	91.0	0.002	46.0	170.0	NE	NE	NE
12/19/2002	0	0	0	0	0	0	0.045	0.006	0.006
1/9/2003	0.001	0	0	0	0	0	0.060	0	0.004
2/20/2003	0	0	0	0	0	0	0.015	0	0
3/12/2003	0	0	0.008	0.010	0.018	0	0.010	0.002	0.002
4/9/2003	0	0	0.020	0.010	0.017	0	0.005	0.000	0.002
6/5/2003	0	0	0.068	0.036	0.056	0.014	0.011	0.019	0.005
7/11/2003	0	0	0.013	0.008	0.011	0.003	0.009	0.002	0.003

Date	o-Xylene (mg/m ³)	Styrene (mg/m ³)	Chloroform (mg/m ³)	Methylene Chloride (mg/m ³)	Chloromethane (mg/m ³)	Carbon Disulfide (mg/m ³)	Bromomethane (mg/m ³)	Chlorobenzene (mg/m ³)	Ethylbenzene (mg/m ³)	Total VOCs (mg/m ³)
Allowable Conc.	NE	NE	2.1	NE	NE	NE	NE	NE	NE	NA
12/19/2003	0.002	0	0.001	0.022	0	0	0	0	0	0.082
1/9/2003	0	0	0	0.018	0	0	0	0	0	0.083
2/20/2003	0	0	0	0	0	0	0	0	0	0.015
3/12/2003	0	0	0.006	0	0	0.003	0.010	0	0	0.069
4/9/2003	0	0	0.009	0.023	0	0.019	0.017	0	0	0.122
6/5/2003	0	0	0.031	0.028	0	0.041	0.030	0	0	0.339
7/11/2003	0.002	0	0.007	0.008	0	0.040	0.016	0	0.002	0.129

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

CALCULATION:

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

where, Q is the air flowrate in standard cubic feet per minute (scfm) and
C is the VOC concentration in mg/m³

Date	Operating Time * (hours)	Vapor Flow Rate (scfm) **	VOC Vapor Conc. (mg/m ³)	VOC Emissions (lb/hr)	VOC Emissions (lb)
12/17/2002	—	—	—	—	—
12/19/2002	48	3,359	0.082	0.0010	0.050
1/9/2003	504	3,532	0.083	0.0011	0.553
2/20/2003	1,008	3,415	0.015	0.00019	0.193
3/12/2003	480	3,447	0.069	0.00089	0.428
4/9/2003	672	3,490	0.122	0.00160	1.072
6/5/2003	1,368	3,427	0.339	0.00435	5.954
7/11/2003	864	3,371	0.129	0.00163	1.407
Total					9.657

* : Operating time since last air sample collected

** : 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.