LEGGETTE, BRASHEARS & GRAHAM, INC.

PROFESSIONAL GROUND-WATER AND ENVIRONMENTAL ENGINEERING SERVICES

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February 6, 2004

Mr. Jeffery Trad
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Construction Services
625 Broadway, 12th floor
Albany, NY 12233-7013

RE: SVE Status Reports
Soil Remedial Action
Rowe Industries Superfund Site
Sag Harbor, New York

Dear Mr. Trad:

The enclosed letter report details the operation status of the soil-vapor extraction and air sparge system at the above referenced site. LBG has enclosed an additional copy of the report to be forwarded to the Chief of the Operation Maintenance and Support Section.

Should you or the Operation Maintenance and Support Section have any questions, please feel free to contact myself, Paul Jobmann, or Al Kovalik, at (203) 452-3100.

Very truly yours,

LEGGETTE, BRASHEARS & GRAHAM, INC.

Mark M. Goldberg

Mark M. Goldberg, P.E.
Senior Environmental Engineer

PJ:mg
Enclosures
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FEB 1 2 2004

- DRAFT -

TO: Pamela Tames, USEPA

FROM: Mark M. Goldberg, P.E.
Alfred N. Kovalik, P.E.

DATE: February 6, 2004

PROJECT: Rowe Industries Superfund Site
Soil-Vapor Extraction and Air Sparge System
October 8 through December 23, 2003 Status Report
Sag Harbor, New York

This status report presents a summary of the operation, maintenance and monitoring activities for the soil-vapor extraction (SVE) and air sparge (AS) systems from October 8, 2003 through December 23, 2003. This report includes a summary of the system operational parameters and analytical results. Based on our discussions in December 2003, the two systems were shut down on December 23, 2003. It is anticipated the systems will remain off permanently pending LBG's submittal of a soil remediation summary report in February 2004, and your subsequent review and approval.

SUMMARY OF SYSTEM OPERATION

(October 8, 2003 through December 23, 2003)

Reporting Period:	76 days
Mass of VOCs Recovered:	0.78 pounds
Cumulative VOCs Recovered Since 12/02/98:	622.9 pounds
Discharge Criteria:	Air effluent criteria met

SOIL-VAPOR EXTRACTION SYSTEM OPERATION

The SVE system was configured to extract vapor from the subsurface via SVE well 11 in a pulsed mode during the reporting period. The SVE system was shut down for two one-week intervals from October 30th to November 7th and November 13th to November 20th during this reporting period. Several shutdowns occurred due to alarms/faults of unknown reason. Shutdown times were approximated using data logs and autodialer records in order to calculate carbon loading rates.

AIR SPARGE SYSTEM OPERATION

According to the operation scenarios outlined in a letter to your office dated January 2, 2003, the AS compressor installed in January 2003 began operation on February 11, 2003. The operation scenario was modified according to the scenarios outlined in the April 2003 through July 2003 status report. The most recent operation scenario included individually operating one AS well screened at a relatively shallow depth, SP-7, and one AS well screened deeper in the aquifer, SP-1. Volatile organic compound (VOC) concentrations recovered by the SVE system during operation of AS wells in this report period are presented below:

AS Well Operating	Background VOC Conc. (mg/m^3)*	January 2003 Pilot Test VOC Conc. (mg/m^3)	Current Operation				
			Date of Operation Scenario	Air Sparge Air Injection Rate (cfm)	SVE Air Extraction Rate (cfm)	VOC Conc. at Start of AS well operation (mg/m^3)	VOC Conc. at End of AS well operation (mg/m^3)
SP-1	3.2	3.8	10/8 – 10/22	3.5	59	0.43	0.45
SP-7	3.2	3.8	10/22 – 11/7	3.5	68	0.29	1.3**
SP-1	3.2	3.8	11/7 – 11/20	3.5	48	1.3	No Data
SP-7	3.2	3.8	11/20 – 12/11	3.5	34	1.2	No Data
SP-1	3.2	3.8	12/11– 12/23	3.5	34	0.99	0.48

*Concentration prior to starting Air Sparge System full scale.
**Concentration was taken from an air sample collected on 10/30/03.

The VOC concentrations from the above table are presented in Graph 7 along with the data from the first, second, and third quarters of 2003. As shown in Graph 7, the highest concentrations observed in the air stream in the fourth quarter of 2003 are very low. In addition, the VOC concentrations are well below the background VOC concentration of 3.2 mg/m^3. During the fourth quarter of 2003, concentrations in the air stream were decreasing during SP-1 operation and were stable or slightly increasing during SP-7 operation.

Groundwater levels rose in the Former Drum Storage Area (FDSA) on the northern side of the clay lens during operation of the air sparge wells. Because drawdown was measured in the focused pump and treat recovery wells, which are located in between the Sag Harbor Industries (SHI) property and the neighboring residence, any lateral spreading that may occur is being mitigated in the direction of the nearest residence.

A summary of the SVE/AS system operation including calculated airflows and laboratory analytical data for samples collected at the SVE manifold and pre-, mid- and post-carbon locations is included in the attached tables. The attached graphs represent the PCE concentration and carbon loading trends observed during this reporting period.

Graph 6 presents the VOC loading rates to the carbon units since the start of the SVE system including 2003 when the air sparge wells were operated. As shown in Graph 6, and supported by the data presented in Graph 7, operation of the air sparge wells in the Former Drum Storage Area (FDSA) has not resulted in a measureable increase of VOCs in the SVE air stream. The lack of an increase of VOCs in the air stream, combined with the stable concentrations measured in the ground-water (see focused pump and treat report dated January 2004), indicates the air sparge system has been ineffective. Therefore, as previously noted, the operation of the SVE/AS systems have been ceased until further notice. In the spring of 2004, LBG will submit a plan to de-mobilize the SVE-AS system leaving the SVE/AS wells intact for future bio-remediation efforts of the ground-water in this area.

MMG:mg
Attachments
H:\NABIS\2004\Monthly reports\SVE Oct03 - Dec03.doc

SOIL REMEDIAL ACTION **SUMMARY**
SVE/AS OPERATION AND MAINTENANCE **(10/8/2003 - 12/23/2003)**
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

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SAG HARBOR, NEW YORK

SVE SYSTEM OPERATION, MONITORING AND SAMPLING SCHEDULE

Table Purpose: To present sampling and measurement schedules for activities completed on the SVE/AS system during October through December 2003.

Event		Time at Operating Condition	Cum. Time in Reporting Period		
Date	Time	(hh:mm)	(hh:mm)	O&M Event	Operating Conditions
10/8/2003	11:45	-	-	Opened SP-1 valve	SP-1 air sparge well operating.
10/8/2003	14:02	2:17	2:17	2 hr. sample	
10/22/2003	9:58	334:13	334:13	Sampled system while SP-1 was operating.	
10/22/2003	10:10	-	334:25	Closed SP-1 and opened SP-7	SP-7 air sparge well operating.
10/22/2003	12:10	02:00	336:25	2 hr. sample	
10/30/2003	10:18	192:08	526:33	Sampled system while SP-7 was operating.	
10/30/2003	10:29	382:27	526:44	Scheduled shut down of the system.	
11/7/2003	11:13	-	526:44	Closed SP-7, opened SP-1 and Restarted the System	SP-1 air sparge well operating.
11/7/2003	13:48	02:35	529:19	2 hr. sample	
11/13/2003	23:30	156:17	683:01	Scheduled Shut Down of the System.	
11/20/2003	9:37	-	683:01	Closed SP-1, opened SP-7 and Restarted the system	SP-7 air sparge well operating.
11/20/2003	9:38	00:01	683:02	Initial Manifold Sample	
11/20/2003	11:40	02:03	685:04	2 hr. sample	
11/27/2003	8:11	166:34	849:35	Power Failure; System shut down.	
12/11/2003	7:10	-	849:35	Closed SP-7, opened SP-1 and Restarted the System; Collected initial manifold sample.	SP-1 air sparge well operating.
12/11/2003	9:10	02:00	851:35	2 hr. sample	
12/23/2003	9:25	290:15	1139:50	Sampled the System.	
12/23/2003	9:35	290:25	1140:00	Scheduled shut down of the system.	

SOIL REMEDIAL ACTION
SVE/AS OPERATION AND MAINTENANCE
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

AIR QUALITY DATA - MANIFOLD (mg/m^3)

***Table Purpose:** To present laboratory results of air samples collected at the Manifold sample locations.*

Manifold A (SVE 11)

Sample Date	Sample Time	PCE (mg/m^3)	MC (mg/m^3)	TCA (mg/m^3)	TCE (mg/m^3)	Benzene (mg/m^3)	Toluene (mg/m^3)	m&p-Xylene (mg/m^3)	o-Xylene (mg/m^3)	EB (mg/m^3)	BM (mg/m^3)	CM (mg/m^3)	CD (mg/m^3)	cis-DCE (mg/m^3)	TOTAL VOCS (mg/m^3)
10/8/03B	14:02	2.1E-01	3.9E-02	2.5E-02	1.2E-02	3.0E-03	1.6E-02	3.0E-03	ND	ND	7.1E-02	ND	5.8E-02	ND	**4.3E-01**
10/22/03A	9:58	2.0E-01	4.4E-02	2.3E-02	9.0E-03	3.0E-03	8.0E-03	1.0E-03	ND	ND	1.4E-01	4.0E-03	1.6E-02	ND	**4.5E-01**
10/22/03B	14:02	1.5E-01	1.9E-02	1.9E-02	8.0E-03	2.0E-03	9.0E-03	1.0E-03	ND	ND	6.4E-02	ND	1.5E-02	ND	**2.9E-01**
10/30/03	10:18	1.0	4.4E-02	4.7E-02	2.5E-02	5.0E-03	2.4E-02	3.0E-03	ND	ND	6.5E-02	ND	6.4E-02	ND	**1.3**
11/7/03	14:00	7.7E-01	2.2E-01	9.5E-02	2.3E-02	4.0E-03	6.7E-02	5.0E-03	ND	2.0E-03	1.9E-02	ND	7.1E-02	1.1E-02	**1.3**
11/20/03	11:40	6.1E-01	2.5E-01	6.4E-02	2.9E-02	3.0E-03	1.1E-01	5.0E-03	ND	ND	4.6E-02	ND	1.0E-01	9.0E-03	**1.2**
12/11/03	9:10	4.5E-01	1.5E-01	9.5E-02	1.3E-02	2.8E-02	5.8E-02	ND	ND	ND	8.0E-02	ND	1.2E-01	ND	**9.9E-01**
12/23/03	9:25	3.2E-01	8.2E-02	6.6E-02	1.4E-02	4.0E-03	7.4E-02	4.0E-03	ND	ND	3.0E-02	ND	1.9E-01	ND	**7.9E-01**

	1ppm = X mg/m^3 (NIOSH)
PCE- TETRACHLOROETHYLENE	6.89
CHLM - CHLOROMETHANE	2.07
MC - METHYLENE CHLORIDE	3.53
CD - CARBON DISULFIDE	3.11
DCE - 1,1-DICHLOROETHENE	4.03
DCA - 1,1-DICHLOROETHANE	4.05
1,2-DCA - 1,2-DICHLOROETHANE	4.05
cis-DCE - 1,2-DICHLOROETHENE (cis)	3.97
112TCA - 1,1,2 TRICHLOROETHANE	5.46
trans-DCE - 1,2-DICHLOROETHENE (trans)	3.97
CB - CHLOROBENZENE	4.61
1122PCE - 1,1,2,2-TETRACHLOROETHANE	6.87
CE - CHLOROETHANE	2.64

	1ppm = X mg/m^3 (NIOSH)
TCA - 1,1,1-TRICHLOROETHANE	5.55
BENZENE	3.19
TOLUENE	3.77
EB - ETHYLBENZENE	4.41
XYLENES	4.34
STYRENE	4.26
BM - BROMOMETHANE	3.89
TCE - TRICHLOROETHENE	5.4
CF - CHLOROFORM	4.88
CT - CARBON TETRACHLORIDE	6.29
TDCP - trans-1,3-DICHLOROPROPENE	4.54
VC - VINYL CHLORIDE	2.56

SOIL REMEDIAL ACTION
SVE/AS OPERATION AND MAINTENANCE
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

AIR QUALITY DATA - PRE-CARBON (SMP 7) (mg/m^3)

***Table Purpose:** To present laboratory results of air samples collected at the pre-carbon sample location.*

Sample Date	Sample Time	PCE (mg/m^3)	MC (mg/m^3)	TCA (mg/m^3)	TCE (mg/m^3)	Benzene (mg/m^3)	Toluene (mg/m^3)	m&p-xylenes (mg/m^3)	o-xylenes (mg/m^3)	CD (mg/m^3)	EB (mg/m^3)	BM (mg/m^3)	cis-DCE (mg/m^3)	TOTAL VOCS (mg/m^3)
10/8/03B	14:02	1.6	3.3E-02	3.4E-02	2.6E-02	2.0E-03	1.2E-02	2.0E-03	1.0E-03	4.0E-02	8.0E-04	3.3E-02	ND	**1.8**
10/22/03A	9:58	1.7	4.0E-02	ND	2.7E-02	ND	ND	1.3E-02	ND	ND	ND	2.0E-01	ND	**2.0**
10/22/03B	14:02	2.7	1.2E-02	4.4E-02	5.6E-02	1.0E-03	7.0E-03	2.0E-03	ND	2.0E-02	ND	2.8E-02	3.0E-03	**2.9**
10/30/03	10:18	3.0	2.7E-02	0.051	3.8E-02	2.0E-03	2.2E-02	2.0E-03	ND	6.6E-02	ND	2.8E-02	ND	**3.2**
11/7/03	14:00	6.2	2.4E-01	1.3E-01	5.0E-02	4.0E-03	5.5E-02	3.0E-03	ND	4.3E-02	ND	5.0E-02	1.4E-02	**6.8**
11/20/03	11:40	9.4E-01	4.3E-01	ND	3.7E-02	6.0E-03	3.1E-01	ND	ND	1.2E-01	ND	9.4E-02	ND	**1.9**
12/11/03	9:10	4.9	2.5E-01	ND	ND	3.5E-02	ND	ND	ND	ND	ND	1.3E+00	ND	**6.5**
12/23/03	9:25	3.0E-01	6.8E-02	ND	ND	4.0E-03	4.0E-02	ND	ND	7.6E-02	ND	4.8E-02	ND	**0.5**

	1ppm = X mg/m^3 (NIOSH)
PCE- TETRACHLOROETHYLENE	6.89
CHLM - CHLOROMETHANE	2.07
MC - METHYLENE CHLORIDE	3.53
CD - CARBON DISULFIDE	3.11
DCE - 1,1-DICHLOROETHENE	4.03
DCA - 1,1-DICHLOROETHANE	4.05
1,2-DCA - 1,2-DICHLOROETHANE	4.05
cis-DCE - 1,2-DICHLOROETHENE (cis)	3.97
112TCA - 1,1,2 TRICHLOROETHANE	5.46
trans-DCE - 1,2-DICHLOROETHENE (trans)	3.97
CB - CHLOROBENZENE	4.61
1122PCE - 1,1,2,2-TETRACHLOROETHANE	6.87
CE - CHLOROETHANE	2.64

	1ppm = X mg/m^3 (NIOSH)
TCA - 1,1,1-TRICHLOROETHANE	5.55
BENZENE	3.19
TOLUENE	3.77
EB - ETHYLBENZENE	4.41
XYLENES	4.34
STYRENE	4.26
BM - BROMOMETHANE	3.89
TCE - TRICHLOROETHENE	5.4
CF - CHLOROFORM	4.88
CT - CARBON TETRACHLORIDE	6.29
TDCP - trans-1,3-DICHLOROPROPENE	4.54
VC - VINYL CHLORIDE	2.56

SOIL REMEDIAL ACTION
SVE/AS OPERATION AND MAINTENANCE
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

AIR QUALITY DATA -MID-CARBON (SMP 8) (mg/m^3)

Table Purpose: To present laboratory results of air samples collected at the mid-carbon sample location.

Sample Date	Sample Time	PCE (mg/m^3)	MC (mg/m^3)	TCA (mg/m^3)	TCE (mg/m^3)	Benzene (mg/m^3)	EB (mg/m^3)	Toluene (mg/m^3)	m&p-Xylenes (mg/m^3)	o-Xylene (mg/m^3)	Styrene (mg/m^3)	CD (mg/m^3)	CM (mg/m^3)	BM (mg/m^3)	TOTAL VOCS (mg/m^3)
10/8/03B	14:02	2.4E-02	3.1E-02	ND	7.0E-04	2.0E-03	9.0E-04	1.3E-02	3.0E-03	9.0E-04	ND	4.4E-02	ND	6.5E-02	**1.8E-01**
10/22/03A	9:58	7.0E-03	3.0E-02	ND	ND	2.0E-03	ND	6.0E-03	6.0E-04	ND	ND	1.4E-02	5.0E-03	1.1E-01	**1.7E-01**
10/22/03B	14:02	2.9E-02	1.3E-02	ND	ND	1.0E-03	ND	8.0E-03	1.0E-03	ND	ND	2.0E-02	ND	3.2E-02	**1.0E-01**
10/30/03	10:18	5.4E-02	4.6E-02	ND	ND	2.0E-03	2.6E-02	2.0E-03	ND	5.7E-02	ND	ND	ND	1.8E-02	**2.1E-01**
11/7/03	14:00	1.4E-01	2.4E-01	ND	8.0E-03	2.0E-03	ND	6.4E-02	4.0E-03	ND	ND	9.4E-02	ND	1.4E-02	**5.7E-01**
11/20/03	11:40	3.2E-02	2.1E-01	ND	8.0E-03	2.0E-03	ND	8.1E-02	3.0E-03	ND	ND	1.1E-01	ND	2.4E-02	**4.7E-01**
12/11/03	9:10	2.0E-02	1.3E-01	ND	7.0E-03	4.0E-03	2.0E-03	7.2E-02	8.0E-03	2.0E-03	ND	1.2E-01	ND	3.6E-02	**4.0E-01**
12/23/03	9:25	2.1E-02	8.5E-02	ND	9.0E-03	3.0E-03	ND	7.3E-02	6.0E-03	ND	4.0E-03	1.2E-01	ND	1.4E-02	**3.4E-01**

	1ppm = X mg/m^3 (NIOSH)
PCE- TETRACHLOROETHYLENE	6.89
CHLM - CHLOROMETHANE	2.07
MC - METHYLENE CHLORIDE	3.53
CD - CARBON DISULFIDE	3.11
DCE - 1,1-DICHLOROETHENE	4.03
DCA - 1,1-DICHLOROETHANE	4.05
1,2-DCA - 1,2-DICHLOROETHANE	4.05
cis-DCE - 1,2-DICHLOROETHENE (cis)	3.97
112TCA - 1,1,2 TRICHLOROETHANE	5.46
trans-DCE - 1,2-DICHLOROETHENE (trans)	3.97
CB - CHLOROBENZENE	4.61
1122PCE - 1,1,2,2-TETRACHLOROETHANE	6.87
CE - CHLOROETHANE	2.64

	1ppm = X mg/m^3 (NIOSH)
TCA - 1,1,1-TRICHLOROETHANE	5.55
BENZENE	3.19
TOLUENE	3.77
EB - ETHYLBENZENE	4.41
XYLENES	4.34
STYRENE	4.26
BM - BROMOMETHANE	3.89
TCE - TRICHLOROETHENE	5.4
CF - CHLOROFORM	4.88
CT - CARBON TETRACHLORIDE	6.29
TDCP - trans-1,3-DICHLOROPROPENE	4.54
VC - VINYL CHLORIDE	2.56

SOIL REMEDIAL ACTION
SVE/AS OPERATION AND MAINTENANCE
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

AIR QUALITY DATA - POST-CARBON (SMP 9) (mg/m^3)

***Table Purpose:** To present laboratory results of air samples collected at the post-carbon sample location.*

Sample Date	Sample Time	PCE (mg/m^3)	BM (mg/m^3)	MC (mg/m^3)	TCE (mg/m^3)	TCA (mg/m^3)	Benzene (mg/m^3)	Toluene (mg/m^3)	EB (mg/m^3)	m&p-Xylene (mg/m^3)	o-Xylene (mg/m^3)	Styrene (mg/m^3)	CD (mg/m^3)	CM (mg/m^3)	CE (mg/m^3)	TOTAL VOCS (mg/m^3)
10/8/03B	14:02	5.0E-03	5.4E-02	1.7E-02	8.0E-04	ND	2.0E-03	1.3E-02	6.0E-04	2.0E-03	7.0E-04	ND	4.5E-02	ND	1.8E-02	**1.6E-01**
10/22/03A	9:58	2.2E-02	1.6E-01	5.8E-02	2.0E-03	ND	ND	1.2E-02	ND	2.0E-03	ND	ND	3.4E-02	ND	ND	**2.9E-01**
10/22/03B	9:58	9.0E-03	5.9E-02	2.6E-02	ND	ND	ND	9.0E-03	ND	1.0E-03	ND	ND	1.7E-02	ND	ND	**1.2E-01**
10/30/03	10:18	1.5E-02	2.3E-02	2.9E-02	ND	ND	4.0E-03	2.7E-02	ND	3.0E-03	ND	ND	6.0E-02	ND	ND	**1.6E-01**
11/7/03	14:00	5.0E-02	4.4E-02	2.2E-01	6.0E-03	ND	6.0E-03	5.2E-02	ND	4.0E-03	ND	ND	6.3E-02	ND	1.8E-02	**4.6E-01**
11/20/03	11:40	1.3E-02	8.6E-02	2.0E-01	8.0E-03	ND	6.0E-03	6.2E-02	ND	4.0E-03	ND	ND	7.8E-02	ND	ND	**4.6E-01**
12/11/03	9:10	1.1E-02	3.6E-02	1.3E-01	8.0E-03	ND	7.0E-03	5.7E-02	ND	6.0E-03	ND	ND	9.7E-02	ND	2.1E-02	**3.7E-01**
12/23/03	9:25	1.3E-02	1.8E-02	7.9E-02	9.0E-03	ND	3.0E-03	7.9E-02	ND	6.0E-03	ND	4.0E-03	1.2E-01	ND	ND	**3.3E-01**

	1ppm = *X* mg/m^3 (NIOSH)
PCE- TETRACHLOROETHYLENE	6.89
CHLM - CHLOROMETHANE	2.07
MC - METHYLENE CHLORIDE	3.53
CD - CARBON DISULFIDE	3.11
DCE - 1,1-DICHLOROETHENE	4.03
DCA - 1,I-DICHLOROETHANE	4.05
1,2-DCA - 1,2-DICHLOROETHANE	4.05
cis-DCE - 1,2-DICHLOROETHENE (cis)	3.97
112TCA - 1,1,2 TRICHLOROETHANE	5.46
trans-DCE - 1,2-DICHLOROETHENE (trans)	3.97
CB - CHLOROBENZENE	4.61
1122PCE - 1,1,2,2-TETRACHLOROETHANE	6.87
CE - CHLOROETHANE	2.64

	1ppm = *X* mg/m^3 (NIOSH)
TCA - 1,1,1-TRICHLOROETHANE	5.55
BENZENE	3.19
TOLUENE	3.77
EB - ETHYLBENZENE	4.41
XYLENES	4.34
STYRENE	4.26
BM - BROMOMETHANE	3.89
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VC - VINYL CHLORIDE	2.56

SOIL REMEDIAL ACTION
SVE/AS OPERATION AND MAINTENANCE
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

AIR QUALITY DATA - SUMMARY OF LABORATORY TOTAL VOCs (mg/m^3)

Table Purpose: To present a summary of laboratory results for all sample locations

Date	Manifold LAB	Pre-Carbon (SMP 7) LAB	Mid-Carbon (SMP 8) LAB	% of Pre-Carbon VOC at Mid-Carbon	Post-Carbon (SMP 9) LAB
10/8/03B	0.43	1.78	0.18	10.3%	0.16
10/22/03A	0.45	2.01	0.17	8.7%	0.29
10/22/03B	0.29	2.87	0.10	3.6%	0.12
10/30/03	1.28	3.24	0.21	6.3%	0.16
11/7/03	1.29	6.79	0.57	8.3%	0.46
11/20/03	1.23	1.95	0.47	24.2%	0.46
12/11/03	0.99	6.49	0.40	6.2%	0.37
12/23/03	0.79	0.54	0.34	62.5%	0.33

SOIL REMEDIAL ACTION
SVE/AS OPERATION AND MAINTENANCE
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

PCE, TCE, TCA AND TOTAL VOC LOADING ESTIMATES USING LABORATORY DATA

Table Purpose: Calculate the loading of PCE, TCE, TCA and Total VOCs on the carbon units based on laboratory data.

Date	Pre-Carbon Airflow (acfm) [1/]	Approx. Sampling Interval (hr:mm)	Cummulative Hours of Operation (hr:mm)	PCE (mg/m^3)			(lb/hr)			(lb)	
				Pre-Carbon	Mid-Carbon	Post-Carbon	Pre-Carbon	Mid-Carbon	Post-Carbon	Carbon Unit No. 1 Loading	Carbon Unit No. 2 Loading
10/8/03B	79	02:17	02:17	1.6	2.4E-02	5.0E-03	4.9E-04	7.3E-06	1.5E-06	1.1E-03	1.3E-05
10/22/03A	78	331:56	334:13	1.7	7.0E-03	2.2E-02	5.1E-04	2.1E-06	6.5E-06	1.7E-01	0.0E+00
10/22/03B	78	02:12	336:25	2.7	2.9E-02	9.0E-03	8.0E-04	8.6E-06	2.7E-06	1.7E-03	1.3E-05
10/30/03	78	190:08	526:33	3.0	5.4E-02	1.5E-02	9.0E-04	1.6E-05	4.5E-06	1.7E-01	2.2E-03
11/7/03	65	02:46	529:19	6.2	1.4E-01	5.0E-02	1.5E-03	3.5E-05	1.2E-05	4.1E-03	6.2E-05
11/20/03	58	155:45	685:04	9.4E-01	3.2E-02	1.3E-02	2.1E-04	7.1E-06	2.9E-06	3.2E-02	0.0
12/11/03	75	166:31	851:35	4.9	2.0E-02	1.1E-02	1.4E-03	5.8E-06	3.2E-06	2.3E-01	4.3E-04
12/23/03	55	288:25	1140:00	3.0E-01	2.1E-02	1.3E-02	6.3E-05	4.4E-06	2.7E-06	1.7E-02	4.8E-04
									TOTALS:	0.6	3.9E-03

Date	Pre-Carbon Airflow (acfm) [1/]	Approx. Sampling Interval (hr:mm)	Cummulative Hours of Operation (hr:mm)	TCE (mg/m^3)			(lb/hr)			(lb)	
				Pre-Carbon	Mid-Carbon	Post-Carbon	Pre-Carbon	Mid-Carbon	Post-Carbon	Carbon Unit No. 1 Loading	Carbon Unit No. 2 Loading
10/8/03B	79	02:17	02:17	2.6E-02	7.0E-04	8.0E-04	7.9E-06	2.1E-07	2.4E-07	1.8E-05	0.0
10/22/03A	78	331:56	334:13	2.7E-02	ND	2.0E-03	8.0E-06	0.0	5.9E-07	2.7E-03	0.0
10/22/03B	78	02:12	336:25	5.6E-02	ND	ND	1.7E-05	0.0	0.0	3.7E-05	0.0
10/30/2003	78	190:08	526:33	3.8E-02	ND	ND	1.1E-05	0.0	0.0	2.2E-03	0.0
11/7/2003	65	02:46	529:19	5.0E-02	8.0E-03	6.0E-03	1.2E-05	2.0E-06	1.5E-06	2.9E-05	1.4E-06
11/20/2003	58	155:45	685:04	3.7E-02	8.0E-03	8.0E-03	8.2E-06	0.0	1.8E-06	1.0E-03	0.0
12/11/2003	75	166:31	851:35	ND	7.0E-03	8.0E-03	0.0	2.0E-06	2.3E-06	0.0	0.0
12/23/2003	55	288:25	1140:00	ND	9.0E-03	9.0E-03	0.0	1.9E-06	1.9E-06	0.0	0.0
									TOTALS:	3.2E-03	1.4E-06

NOTES 1. Vapor differential pressure for October 8, 2003 was used for the October 22 and October 30, 2003 readings.

SOIL REMEDIAL ACTION
SVE/AS OPERATION AND MAINTENANCE
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

PCE, TCE, TCA AND TOTAL VOC LOADING ESTIMATES USING LABORATORY DATA

Table Purpose: Calculate the loading of PCE, TCE, TCA and Total VOCs on the carbon units based on laboratory data.

				TCA (mg/m^3)			(lb/hr)			(lb)	
Date	Pre-Carbon Airflow (acfm) 1/	Approx. Sampling Interval (hr:mm)	Cummulative Hours of Operation (hr:mm)	Pre-Carbon	Mid-Carbon	Post-Carbon	Pre-Carbon	Mid-Carbon	Post-Carbon	Carbon Unit No. 1 Loading	Carbon Unit No. 2 Loading
10/8/03B	79	02:17	02:17	3.4E-02	ND	ND	1.0E-05	0.0	0.0	2.35E-05	0.0
10/22/03A	78	331:56	334:13	ND	ND	ND	0.0	0.0	0.0	0.0	0.0
10/22/03B	78	02:12	336:25	4.4E-02	ND	ND	1.3E-05	0.0	0.0	2.87E-05	0.0
10/30/2003	78	190:08	526:33	5.1E-02	ND	ND	1.5E-05	0.0	0.0	2.90E-03	0.0
11/7/2003	65	02:46	529:19	1.3E-01	ND	ND	3.2E-05	0.0	0.0	8.90E-05	0.0
11/20/2003	58	155:45	685:04	ND	ND	ND	0.0	0.0	0.0	0.0	0.0
12/11/2003	75	166:31	851:35	ND	ND	ND	0.0	0.0	0.0	0.0	0.0
12/23/2003	55	288:25	1140:00	ND	ND	ND	0.0	0.0	0.0	0.0	0.0
									TOTALS:	3.0E-03	0.0

				Total VOCs (mg/m^3)			(lb/hr)			(lb)		(lb)		
Date	Pre-Carbon Airflow (acfm) 1/	Approx. Sampling Interval (hr:mm)	Cummulative Hours of Operation (hr:mm)	Pre-Carbon	Mid-Carbon	Post-Carbon	Pre-Carbon	Mid-Carbon	Post-Carbon	Carbon Unit No. 1 Loading	Carbon Unit No. 2 Loading	Carbon Unit No. 1 Cumulative Loading	Carbon Unit No. 2 Cumulative Loading	VOC Removal Efficiency (%)
10/8/03B	79	02:17	02:17	1.8	1.8E-01	1.6E-01	5.4E-04	5.6E-05	4.8E-05	1.1E-03	1.8E-05	1.1E-03	1.8E-05	91.14
10/22/03A	78	331:56	334:13	2.0	1.7E-01	2.9E-01	6.0E-04	5.2E-05	8.5E-05	1.8E-01	0.0	1.8E-01	0.0	85.80
10/22/03B	78	02:12	336:25	2.9	1.0E-01	1.2E-01	8.5E-04	3.1E-05	3.6E-05	1.8E-03	0.0	1.8E-03	0.0	95.79
10/30/2003	78	190:08	526:33	3.2	2.1E-01	1.6E-01	9.7E-04	6.1E-05	4.8E-05	1.7E-01	2.5E-03	1.7E-01	2.5E-03	95.02
11/7/2003	65	02:46	529:19	6.8	5.7E-01	4.6E-01	1.7E-03	1.4E-04	1.1E-04	4.3E-03	7.0E-05	1.8E-01	2.6E-03	93.18
11/20/2003	58	155:45	685:04	1.9	4.7E-01	4.6E-01	4.3E-04	1.0E-04	1.0E-04	5.1E-02	4.5E-04	2.3E-01	3.0E-03	76.52
12/11/2003	75	166:31	851:35	6.5	4.0E-01	3.7E-01	1.9E-03	1.2E-04	1.1E-04	2.9E-01	1.3E-03	5.2E-01	4.4E-03	94.25
12/23/2003	55	288:25	1140:00	5.4E-01	3.4E-01	3.3E-01	1.1E-04	7.0E-05	6.9E-05	1.2E-02	2.4E-04	5.3E-01	4.6E-03	38.25
						Average Loading Rate:	8.8E-04			0.72	4.6E-03		Average Removal Efficiency :	83.74
							Average Discharge Rate:		7.6E-05					

NOTES 1. Vapor differential pressure for October 8, 2003 was used for the October 22 and October 30, 2003 readings.

SOIL REMEDIAL ACTION
SVE/AS OPERATION AND MAINTENANCE
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

AIRFLOW SUMMARY (acfm)

Date	Manifold	Pre-Carbon	Dilution Air
10/8/03B	59	79	20
10/22/03A	66	78	12
10/22/03B	68	78	9
10/30/2003	77	78	2
11/7/2003	48	65	16
11/20/2003	34	58	24
12/11/2003	34	75	41
12/23/2003	24	55	31

Highlights:
- Dilution air is estimated by the Pre-Carbon airflow minus the summation of the Manifold airflows

SOIL REMEDIAL ACTION **SUMMARY**
SVE/AS OPERATION AND MAINTENANCE **(10/8/2003 - 12/23/2003)**
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

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GRAPH 1
Soil Remedial Action
Rowe Industries Site
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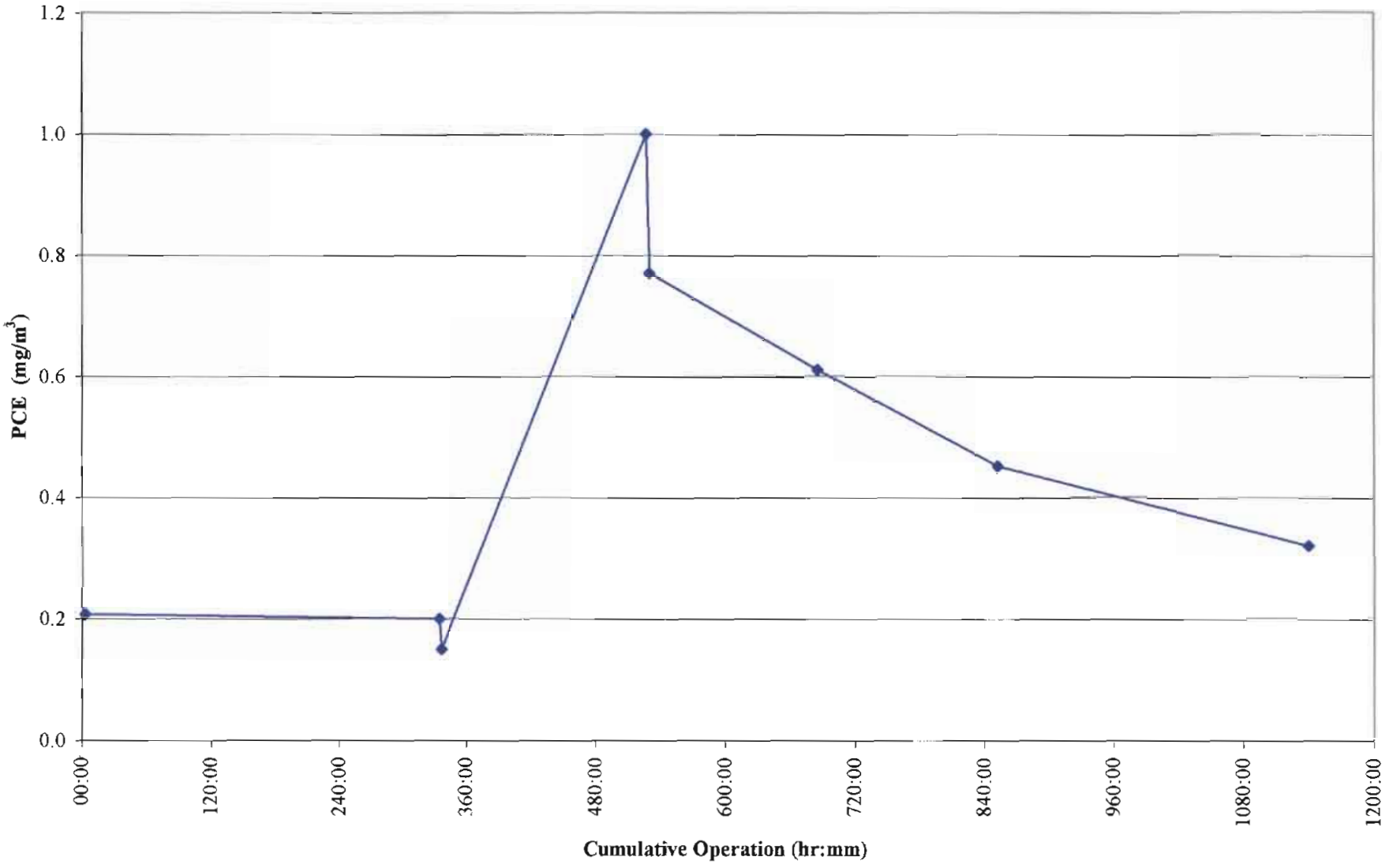
PCE CONCENTRATIONS FROM SVE WELL



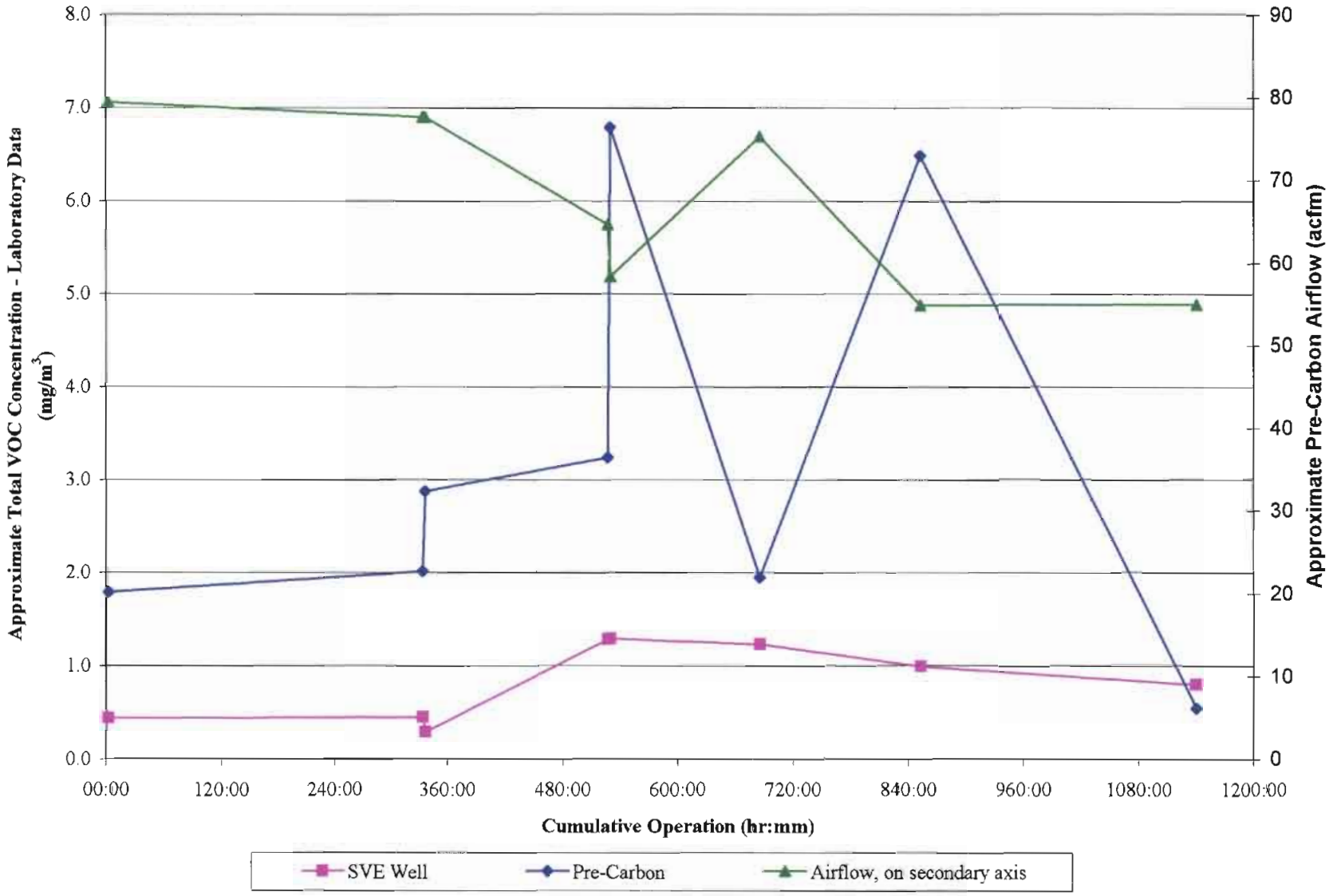
GRAPH 2

Soil Remedial Action

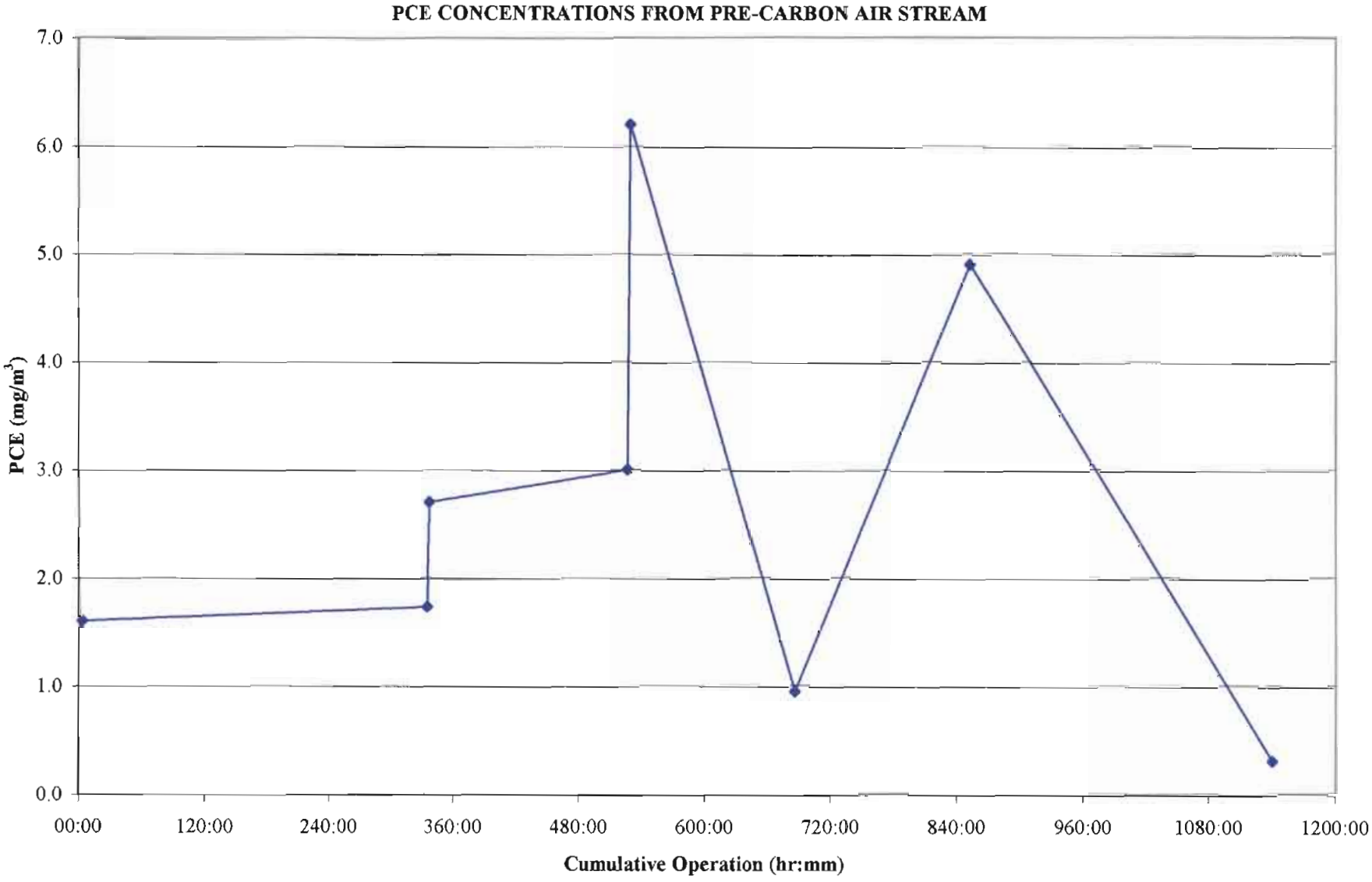
Rowe Industries Site

SVE/AS Operation and Maintenance

SUMMARY OF TOTAL VOCs FROM ACTIVE MANIFOLD AND VAPOR TREATMENT UNITS



GRAPH 3
Soil Remedial Action
Rowe Industries Site
SVE/AS Operation and Maintenance



GRAPH 4
Soil Remedial Action
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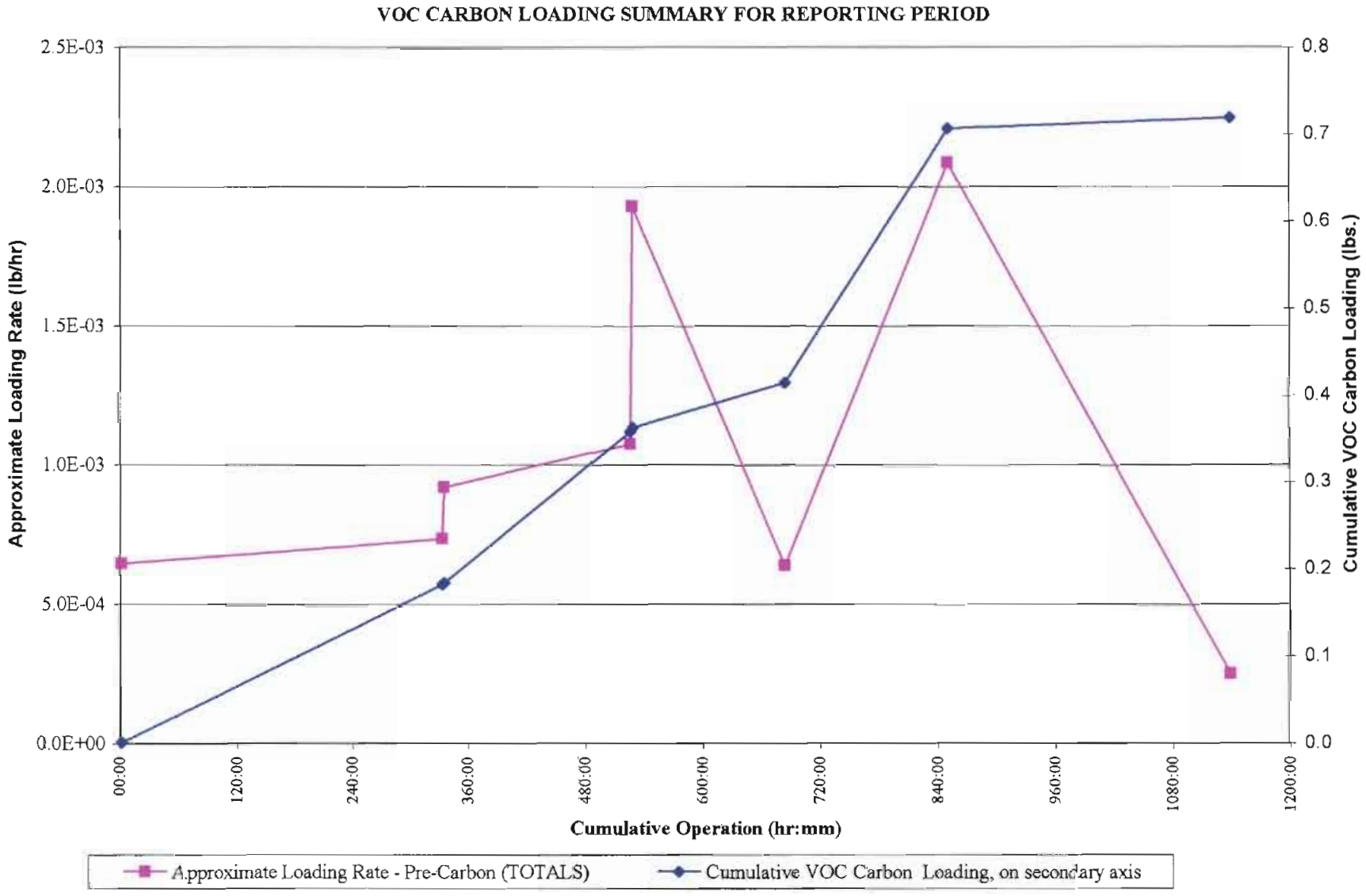

GRAPH 5
Soil Remedial Action
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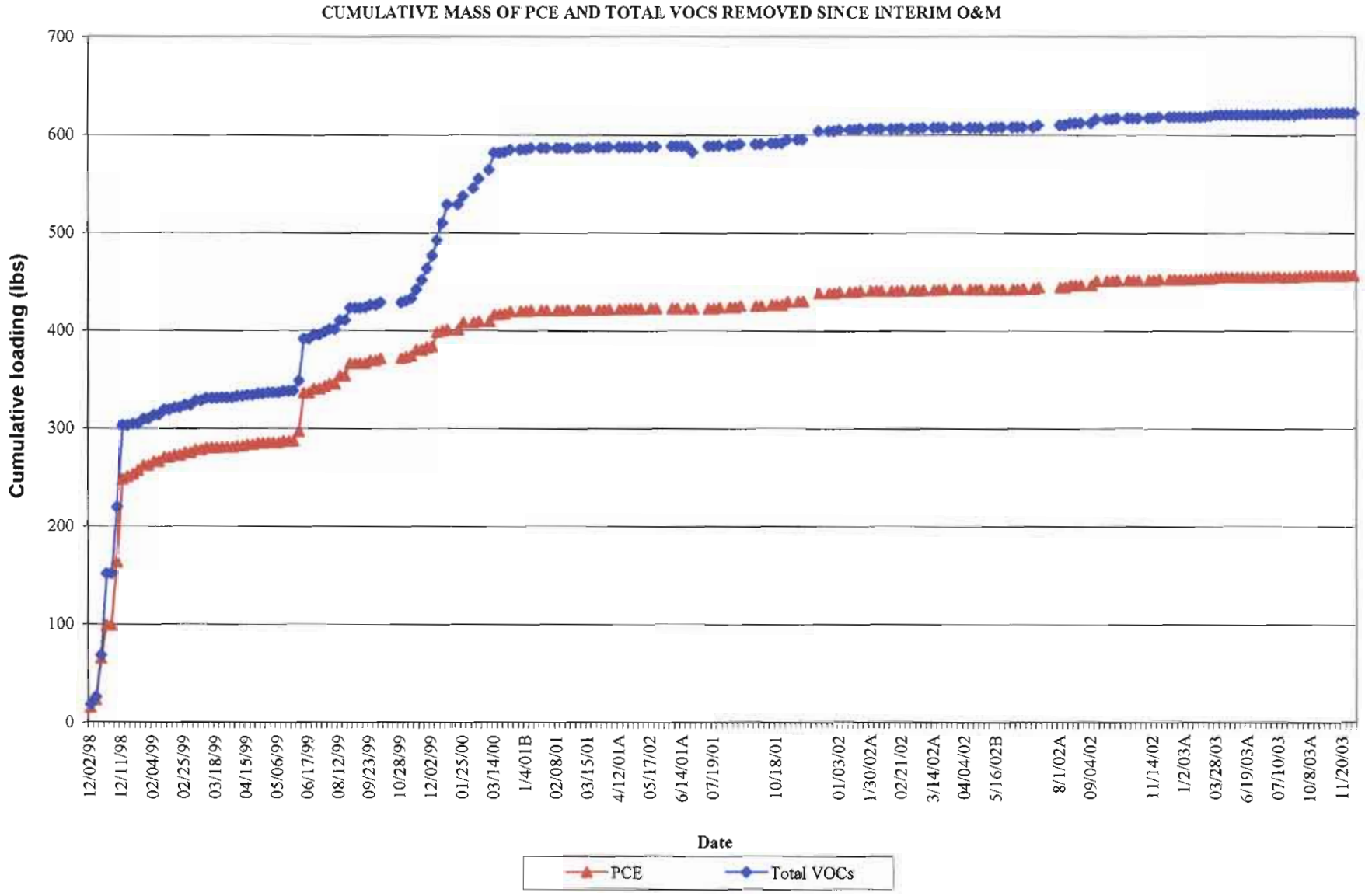

GRAPH 6
Soil Remedial Action
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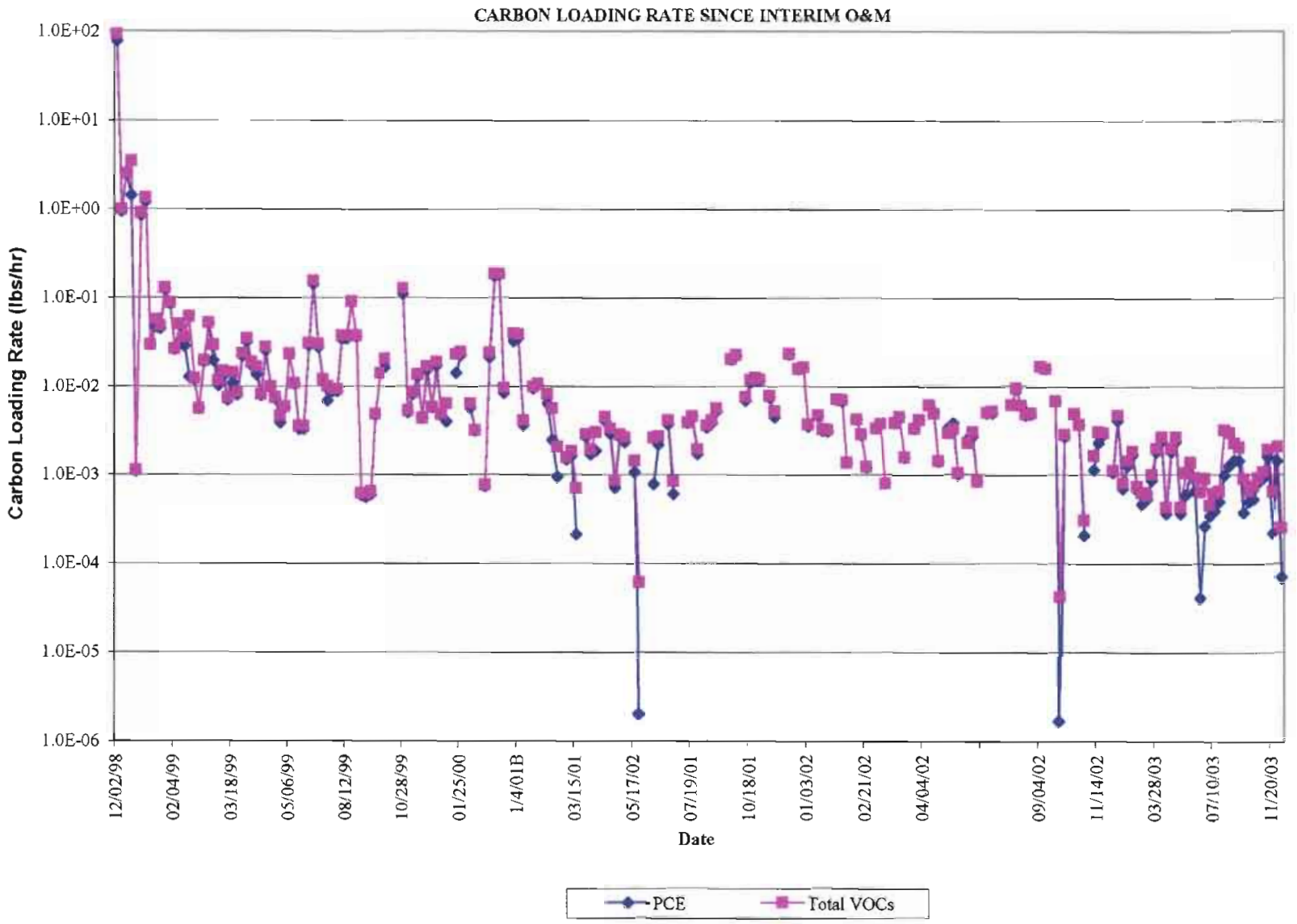

GRAPH 7
Soil Remedial Action
Rowe Industries Site
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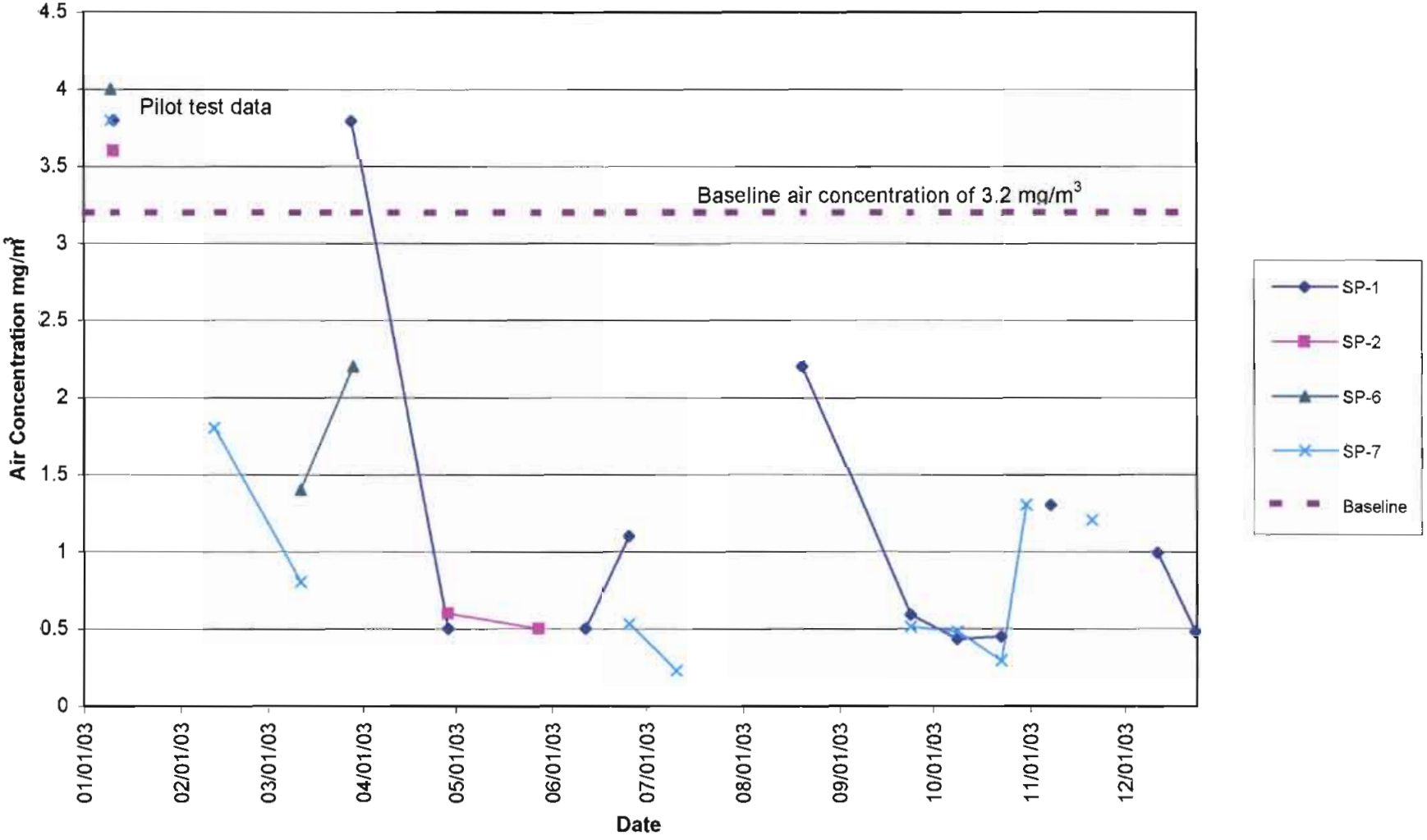
Influent VOC Concentration



ANALYTICAL REPORT

JOB NUMBER: 205010

Prepared For:

LEGGETTE, BRASHEARS & GRAHAM
126 Monroe Turnpike
Trumbull, CT 06611

Project: ROWE INDUSTRIES

Attention: Paul Jobmann

Date: 10/28/2003

Signature

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

10/28/03
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (196) Pages

SEVERN TRENT STL

STL Report : 205010
LEGGETTE, BRASHEARS & GRAHAM

Case Narrative

Sample Receipt – The samples were received at 22°C. Corrective action was not necessary because the samples were delivered to the laboratory immediately after sample collection.

Volatile Organics – Air volatile organics were determined by purge and trap GC/MS using guidance provided in Method TO-17.

Sample "SMP7100203B" was analyzed at full volume (1L). There was no more sample left to reanalyze at a proper dilution; compounds over the linear calibration limit are indicated with an "A" flag.

Sample Calculation:

Sample ID-SMP7100803A
Compound-Bromomethane

$\frac{(481922)(25)}{(656281)(.415)} = 44.23\ NG = 44NG$

$\frac{(44NG)(.08206)(298)}{(.1L)(95)(1.0ATM)} = 113.26\ NL/L.$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

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

Daniel Helfrich
Technical Director

Oct 28, 2003
Date

0000001

SAMPLE INFORMATION

Date: 10/28/2003

Job Number.: 205010
Customer...: LEGGETTE, BRASHEARS & GRAHAM
Attn.....: Paul Jobmann

Project Number.....: 20000283
Customer Project ID....: ROWE INDUSTRIES
Project Description....: Rowe Industries

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205010-1	SMP3100803A	Air	10/08/2003	11:30	10/14/2003	09:20
205010-2	SMP7100803A	Air	10/08/2003	11:32	10/14/2003	09:20
205010-3	SMP8100803A	Air	10/08/2003	11:34	10/14/2003	09:20
205010-4	SMP9100803A	Air	10/08/2003	11:35	10/14/2003	09:20
205010-5	SMP3100803B	Air	10/08/2003	14:02	10/14/2003	09:20
205010-6	SMP7100803B	Air	10/08/2003	14:05	10/14/2003	09:20
205010-7	SMP8100803B	Air	10/08/2003	14:07	10/14/2003	09:20
205010-8	SMP9100803B	Air	10/08/2003	14:09	10/14/2003	09:20

Form 1

STL Connecticut		Client Sample ID	**SMP3100803A**
Method: TO17		Lab Sample ID	205010-1
Sample Volume (L)	0.625	Date Sampled	10/8/2003
Temp (C)	25	Date Analyzed	10/23/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	15.5	U	15.5	0.032	U	0.032
Vinyl Chloride	12.5	U	12.5	0.032	U	0.032
Bromomethane	27.2	B	8.2	0.106	B	0.032
Chloroethane	12.1	U	12.1	0.032	U	0.032
1,1-Dichloroethene	4.0	U	4.0	0.016	U	0.016
Carbon Disulfide	14.9		5.1	0.046		0.016
Methylene Chloride	23.0		4.6	0.080		0.016
trans-1,2-Dichloroethene	4.1	U	4.1	0.016	U	0.016
1,1-Dichloroethane	4.0	U	4.0	0.016	U	0.016
cis-1,2-Dichloroethene	4.1	U	4.1	0.016	U	0.016
Chloroform	3.3	U	3.3	0.016	U	0.016
1,1,1-Trichloroethane	4.4		2.9	0.024		0.016
Carbon Tetrachloride	2.5	U	2.5	0.016	U	0.016
Benzene	1.0	J	5.0	0.003	J	0.016
1,2-Dichloroethane	4.0	U	4.0	0.016	U	0.016
Trichloroethene	1.8	J	3.0	0.010	J	0.016
1,2-Dichloropropane	3.5	U	3.5	0.016	U	0.016
Bromodichloromethane	2.4	U	2.4	0.016	U	0.016
cis-1,3-Dichloropropene	3.5	U	3.5	0.016	U	0.016
Toluene	4.7		4.2	0.018		0.016
trans-1,3-Dichloropropene	3.5	U	3.5	0.016	U	0.016
1,1,2-Trichloroethane	2.9	U	2.9	0.016	U	0.016
Tetrachloroethene	28.3		2.4	0.192		0.016
Dibromochloromethane	1.9	U	1.9	0.016	U	0.016
Chlorobenzene	3.5	U	3.5	0.016	U	0.016
Ethylbenzene	3.7	U	3.7	0.016	U	0.016
m&p-Xylenes	0.4	J	3.7	0.002	J	0.016
o-Xylene	3.7	U	3.7	0.016	U	0.016
Styrene	3.8	U	3.8	0.016	U	0.016
Bromoform	1.5	U	1.5	0.016	U	0.016
1,1,2,2-Tetrachloroethane	2.3	U	2.3	0.016	U	0.016

Form 1

STL Connecticut		Client Sample ID	**SMP7100203A**
Method: TO17		Lab Sample ID	205010-2
Sample Volume (L)	0.100	Date Sampled	10/8/2003
Temp (C)	25	Date Analyzed	10/16/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	9.7	J	96.8	0.020	J	0.200
Vinyl Chloride	78.3	U	78.3	0.200	U	0.200
Bromomethane	113.3		51.5	0.440		0.200
Chloroethane	75.8	U	75.8	0.200	U	0.200
1,1-Dichloroethene	25.2	U	25.2	0.100	U	0.100
Carbon Disulfide	22.5	J	32.1	0.070	J	0.100
Methylene Chloride	129.6	B	28.8	0.450	B	0.100
trans-1,2-Dichloroethene	25.5	U	25.5	0.100	U	0.100
1,1-Dichloroethane	24.7	U	24.7	0.100	U	0.100
cis-1,2-Dichloroethene	25.5	U	25.5	0.100	U	0.100
Chloroform	20.5	U	20.5	0.100	U	0.100
1,1,1-Trichloroethane	18.4	U	18.4	0.100	U	0.100
Carbon Tetrachloride	15.9	U	15.9	0.100	U	0.100
Benzene	3.1	J	31.3	0.010	J	0.100
1,2-Dichloroethane	24.7	U	24.7	0.100	U	0.100
Trichloroethene	3.7	J	18.7	0.020	J	0.100
1,2-Dichloropropane	21.6	U	21.6	0.100	U	0.100
Bromodichloromethane	14.9	U	14.9	0.100	U	0.100
cis-1,3-Dichloropropene	22.0	U	22.0	0.100	U	0.100
Toluene	5.3	J	26.6	0.020	J	0.100
trans-1,3-Dichloropropene	22.0	U	22.0	0.100	U	0.100
1,1,2-Trichloroethane	18.4	U	18.4	0.100	U	0.100
Tetrachloroethene	142.9		14.7	0.970		0.100
Dibromochloromethane	11.8	U	11.8	0.100	U	0.100
Chlorobenzene	21.6	U	21.6	0.100	U	0.100
Ethylbenzene	23.1	U	23.1	0.100	U	0.100
m&p-Xylenes	23.1	U	23.1	0.100	U	0.100
o-Xylene	23.1	U	23.1	0.100	U	0.100
Styrene	23.5	U	23.5	0.100	U	0.100
Bromoform	9.7	U	9.7	0.100	U	0.100
1,1,2,2-Tetrachloroethane	14.6	U	14.6	0.100	U	0.100

Form 1

STL Connecticut		Client Sample ID	**SMP8100203A**
Method: TO17		Lab Sample ID	205010-3
Sample Volume (L)	1.000	Date Sampled	10/8/2003
Temp (C)	25	Date Analyzed	10/16/2003

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	24.2		5.1	0.094		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	14.8		3.2	0.046		0.010
Methylene Chloride	6.9	B	2.9	0.024	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	1.9	U	1.9	0.010	U	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	4.2		2.7	0.016		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	2.1		1.5	0.014		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	0.2	J	2.3	0.001	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

Form 1

STL Connecticut		Client Sample ID	**SMP9100203A**
Method: TO17		Lab Sample ID	205010-4
Sample Volume (L)	1.000	Date Sampled	10/8/2003
Temp (C)	25	Date Analyzed	10/16/2003

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	7.5		5.1	0.029		0.020
Chloroethane	8.7		7.6	0.023		0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	16.1		3.2	0.050		0.010
Methylene Chloride	5.2	B	2.9	0.018	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	0.11	J	1.9	0.0006	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	4.5		2.7	0.017		0.010
trans-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
1,1,2-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Tetrachloroethene	1.5	U	1.5	0.010	U	0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	0.21	J	2.3	0.0009	J	0.010
m&p-Xylenes	0.7	J	2.3	0.003	J	0.010
o-Xylene	0.2	J	2.3	0.001	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

Form 1

STL Connecticut		Client Sample ID	**SMP3100803B**
Method: TO17		Lab Sample ID	205010-5
Sample Volume (L)	0.675	Date Sampled	10/8/2003
Temp (C)	25	Date Analyzed	10/23/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	14.3	U	14.3	0.030	U	0.030
Vinyl Chloride	11.6	U	11.6	0.030	U	0.030
Bromomethane	18.3	B	7.6	0.071	B	0.030
Chloroethane	11.2	U	11.2	0.030	U	0.030
1,1-Dichloroethene	3.7	U	3.7	0.015	U	0.015
Carbon Disulfide	18.6		4.8	0.058		0.015
Methylene Chloride	11.1		4.3	0.039		0.015
trans-1,2-Dichloroethene	3.8	U	3.8	0.015	U	0.015
1,1-Dichloroethane	3.7	U	3.7	0.015	U	0.015
cis-1,2-Dichloroethene	3.8	U	3.8	0.015	U	0.015
Chloroform	3.0	U	3.0	0.015	U	0.015
1,1,1-Trichloroethane	4.6		2.7	0.025		0.015
Carbon Tetrachloride	2.4	U	2.4	0.015	U	0.015
Benzene	0.9	J	4.6	0.003	J	0.015
1,2-Dichloroethane	3.7	U	3.7	0.015	U	0.015
Trichloroethene	2.2	J	2.8	0.012	J	0.015
1,2-Dichloropropane	3.2	U	3.2	0.015	U	0.015
Bromodichloromethane	2.2	U	2.2	0.015	U	0.015
cis-1,3-Dichloropropene	3.3	U	3.3	0.015	U	0.015
Toluene	4.3		3.9	0.016		0.015
trans-1,3-Dichloropropene	3.3	U	3.3	0.015	U	0.015
1,1,2-Trichloroethane	2.7	U	2.7	0.015	U	0.015
Tetrachloroethene	30.6		2.2	0.207		0.015
Dibromochloromethane	1.7	U	1.7	0.015	U	0.015
Chlorobenzene	3.2	U	3.2	0.015	U	0.015
Ethylbenzene	3.4	U	3.4	0.015	U	0.015
m&p-Xylenes	0.7	J	3.4	0.003	J	0.015
o-Xylene	3.4	U	3.4	0.015	U	0.015
Styrene	3.5	U	3.5	0.015	U	0.015
Bromoform	1.4	U	1.4	0.015	U	0.015
1,1,2,2-Tetrachloroethane	2.2	U	2.2	0.015	U	0.015

Form 1

STL Connecticut		Client Sample ID	**SMP7100203B**
Method: TO17		Lab Sample ID	205010-6
Sample Volume (L)	1.000	Date Sampled	10/8/2003
Temp (C)	25	Date Analyzed	10/16/2003

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	8.5		5.1	0.033		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	12.9		3.2	0.040		0.010
Methylene Chloride	9.5	B	2.9	0.033	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	6.3		1.8	0.034		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	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	3.2		2.7	0.012		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	235.7	A	1.5	1.600	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	0.18	J	2.3	0.0008	J	0.010
m&p-Xylenes	0.5	J	2.3	0.002	J	0.010
o-Xylene	0.1	J	2.3	0.001	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

Form 1

STL Connecticut			Client Sample ID	SMP8100203B		
Method: TO17			Lab Sample ID	205010-7		
Sample Volume (L)	1.000		Date Sampled	10/8/2003		
Temp (C)	25		Date Analyzed	10/16/2003		
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	16.7		5.1	0.065		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	14.1		3.2	0.044		0.010
Methylene Chloride	8.9	B	2.9	0.031	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	0.13	J	1.9	0.0007	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	3.5		2.7	0.013		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	3.5		1.5	0.024		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	0.21	J	2.3	0.0009	J	0.010
m&p-Xylenes	0.7	J	2.3	0.003	J	0.010
o-Xylene	0.21	J	2.3	0.0009	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

Form 1

STL Connecticut		Client Sample ID	**SMP9100203B**
Method: TO17		Lab Sample ID	205010-8
Sample Volume (L)	1.000	Date Sampled	10/8/2003
Temp (C)	25	Date Analyzed	10/16/2003

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	13.9		5.1	0.054		0.020
Chloroethane	6.8	J	7.6	0.018	J	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	14.5		3.2	0.045		0.010
Methylene Chloride	4.9	B	2.9	0.017	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	0.15	J	1.9	0.0008	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	3.5		2.7	0.013		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	0.7	J	1.5	0.005	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	0.14	J	2.3	0.0006	J	0.010
m&p-Xylenes	0.5	J	2.3	0.002	J	0.010
o-Xylene	0.16	J	2.3	0.0007	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

LABORATORY CHRONICLE

Job Number: 205010 Date: 10/28/2003

CUSTOMER: LEGGETTE, BRASHEARS & GRAHAM PROJECT: ROWE INDUSTRIES ATTN: Paul Jobmann

Lab ID: 205010-1 Client ID: SMP3100803A Date Recvd: 10/14/2003 Sample Date: 10/08/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24040			

Lab ID: 205010-2 Client ID: SMP7100803A Date Recvd: 10/14/2003 Sample Date: 10/08/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24092			

Lab ID: 205010-3 Client ID: SMP8100803A Date Recvd: 10/14/2003 Sample Date: 10/08/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24092			

Lab ID: 205010-4 Client ID: SMP9100803A Date Recvd: 10/14/2003 Sample Date: 10/08/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24092			

Lab ID: 205010-5 Client ID: SMP3100803B Date Recvd: 10/14/2003 Sample Date: 10/08/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24040			

Lab ID: 205010-6 Client ID: SMP7100803B Date Recvd: 10/14/2003 Sample Date: 10/08/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24092			

Lab ID: 205010-7 Client ID: SMP8100803B Date Recvd: 10/14/2003 Sample Date: 10/08/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24092			

Lab ID: 205010-8 Client ID: SMP9100803B Date Recvd: 10/14/2003 Sample Date: 10/08/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24092			

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,MRL: Instrument related QC exceed th 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 interfence, 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%.

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

SEVERN TRENT **STL** Connecticut

128 Long Hill Cross Road
Shelton, CT 06484

Tel: (203) 929-8140
Fax: (203) 929-8142

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO.

STL JOB #:

CLIENT: LBG

PROJECT ID: Rowe Industries

STL PROJECT MGR:

RUSH ☐ YES ☒ NO

DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	QC Y/N	TESTS: 1	TESTS: 2	TESTS: 3	TESTS: 4	TESTS: 5	TESTS: 6	TESTS: 7	TESTS: 8	GENERAL REMARKS
						15	15							
						BOTTLE TYPE AND PRESERVATION								
						FIELD FILTERED – CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	smp 3 100803A	10/8/03 11:30	A	01	Y	X	X							
	smp 7 100803A	11:32		02										
	smp 8 100803A	11:34		03										
	smp 9 100803A	11:35		04										
	smp 3 100803B	14:02		05										
	smp 7 100803B	14:05		06										
	smp 8 100803B	14:07		07										
	smp 9 100803B	14:09		08										

205010 10/26/2003

LEGGETTE, BRASHEARS GRAHAM
PAUL JOBMANN
ROWE INDUSTRIES

22 OC

"PASSED RAD SCREEN"

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPARED BY	DATE/TIME	BOTTLES REC'D BY	DATE/TIME
SIGNATURE		SIGNATURE	
SAMPLES COLLECTED BY: Paul Jobmann	DATE/TIME: 10/14/03 9:20	RECEIVED IN LAB BY: Colleen Coel	DATE/TIME: 10/14/03
SIGNATURE		SIGNATURE	09:20

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT ☐ CUSTODY SEALS
☐ PRESERVED ☐ SEALS INTACT
☐ CHILLED ☐ SEE REMARKS

STL-8122

rpjsckl	Job Sample Receipt Checklist Report	V2

Job Number.: 205010 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: 10/14/2003 Date of the Report..: 10/14/2003
Project Number.: 20000283 Project Description.: Rowe Industries Project Manager.....: mds
Customer.....: LEGGETTE, BRASHEARS & GRAHAM Contact.: Paul Jobmann

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	N	
Temperature of cooler acceptable? (4 deg C +/- 2).	N	22C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?		
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?.	N	D/O BY CLIENT
Sample Custodian Signature/Date	Y	

K. Blackburn 10/14/03

ANALYTICAL REPORT

JOB NUMBER: 205114

Prepared For:

LEGGETTE, BRASHEARS & GRAHAM
126 Monroe Turnpike
Trumbull, CT 06611

Project: ROWE INDUSTRIES

Attention: Paul Jobmann

Date: 11/06/2003

Michele D. Sciongay
Signature

November 6, 2003
Date

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (155) Pages

SEVERN TRENT STL

STL Report : 205114
LEGGETTE, BRASHEARS & GRAHAM

Case Narrative

Sample Receipt – All samples were received in good condition.

Volatile Organics – Air volatile organics were determined by purge and trap GC/MS using guidance provided in Method TO-17.

Samples "SMP3102203A" and "SMP3102203B" had one surrogate recovery outside criteria; there was no volume left to reanalyze.

Sample "SMP7102203B" was analyzed at full volume(1L) and has target compounds over the calibration limit; this is indicated by an "A" flag on the form 1. There was no sample left to reanalyze.

Sample "SMP7102203A" was analyzed at a dilution (75mL) due to high target compound concentrations.

Sample "SMP9102203A" had only 500mL in tedlar bag to analyze.

Sample Calculation:

Sample ID-SMP3102203A
Compound-Bromomethane

$\frac{(735304)(25)}{(348700)(.372)} = 141.71 = 140NG$

$\frac{(140NG)(.08206)(298)}{(1L)(95)(1.0ATM)} = 36.0$ nL/L.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SEVERN TRENT **STL**

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

Mary Widomski for
Daniel Helfrich
Technical Director

Nov. 6, 2003
Date

SAMPLE INFORMATION

Date: 11/06/2003

Job Number.: 205114
Customer...: LEGGETTE, BRASHEARS & GRAHAM
Attn.....: Paul Jobmann

Project Number.....: 20000283
Customer Project ID....: ROWE INDUSTRIES
Project Description....: Rowe Industries

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205114-1	SMP3102203A	Air	10/22/2003	00:00	10/24/2003	09:45
205114-2	SMP7102203A	Air	10/22/2003	00:00	10/24/2003	09:45
205114-3	SMP8102203A	Air	10/22/2003	00:00	10/24/2003	09:45
205114-4	SMP9102203A	Air	10/22/2003	00:00	10/24/2003	09:45
205114-5	SMP3102203B	Air	10/22/2003	00:00	10/24/2003	09:45
205114-6	SMP7102203B	Air	10/22/2003	00:00	10/24/2003	09:45
205114-7	SMP8102203B	Air	10/22/2003	00:00	10/24/2003	09:45
205114-8	SMP9102203B	Air	10/22/2003	00:00	10/24/2003	09:45

Form 1

STL Connecticut		Client Sample ID	**SMP3102203A**
Method: TO17		Lab Sample ID	205114-1
Sample Volume (L)	1.000	Date Sampled	10/22/2003
Temp (C)	25	Date Analyzed	10/24/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	1.9	J	9.7	0.004	J	0.020
Vinyl Chloride	7.8	U	7.8	0.020	U	0.020
Bromomethane	36.0		5.1	0.140		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	5.1		3.2	0.016		0.010
Methylene Chloride	12.7		2.9	0.044		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	4.2		1.8	0.023		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	1.7	J	1.9	0.009	J	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	2.1	J	2.7	0.008	J	0.010
trans-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
1,1,2-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Tetrachloroethene	29.5		1.5	0.200		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.2	J	2.3	0.001	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP7102203A**
Method: TO17		Lab Sample ID	205114-2
Sample Volume (L)	0.075	Date Sampled	10/22/2003
Temp (C)	25	Date Analyzed	10/24/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	129.1	U	129.1	0.267	U	0.267
Vinyl Chloride	104.3	U	104.3	0.267	U	0.267
Bromomethane	51.5	J	68.6	0.200	J	0.267
Chloroethane	101.1	U	101.1	0.267	U	0.267
1,1-Dichloroethene	33.6	U	33.6	0.133	U	0.133
Carbon Disulfide	42.8	U	42.8	0.133	U	0.133
Methylene Chloride	11.5	J	38.4	0.040	J	0.133
trans-1,2-Dichloroethene	34.0	U	34.0	0.133	U	0.133
1,1-Dichloroethane	32.9	U	32.9	0.133	U	0.133
cis-1,2-Dichloroethene	34.0	U	34.0	0.133	U	0.133
Chloroform	27.4	U	27.4	0.133	U	0.133
1,1,1-Trichloroethane	24.5	U	24.5	0.133	U	0.133
Carbon Tetrachloride	21.2	U	21.2	0.133	U	0.133
Benzene	41.7	U	41.7	0.133	U	0.133
1,2-Dichloroethane	32.9	U	32.9	0.133	U	0.133
Trichloroethene	5.0	J	24.9	0.027	J	0.133
1,2-Dichloropropane	28.9	U	28.9	0.133	U	0.133
Bromodichloromethane	19.9	U	19.9	0.133	U	0.133
cis-1,3-Dichloropropene	29.4	U	29.4	0.133	U	0.133
Toluene	35.4	U	35.4	0.133	U	0.133
trans-1,3-Dichloropropene	29.4	U	29.4	0.133	U	0.133
1,1,2-Trichloroethane	24.5	U	24.5	0.133	U	0.133
Tetrachloroethene	255.3		19.6	1.733		0.133
Dibromochloromethane	15.7	U	15.7	0.133	U	0.133
Chlorobenzene	28.9	U	28.9	0.133	U	0.133
Ethylbenzene	30.8	U	30.8	0.133	U	0.133
m&p-Xylenes	3.1	J	30.8	0.013	J	0.133
o-Xylene	30.8	U	30.8	0.133	U	0.133
Styrene	31.4	U	31.4	0.133	U	0.133
Bromoform	12.9	U	12.9	0.133	U	0.133
1,1,2,2-Tetrachloroethane	19.4	U	19.4	0.133	U	0.133

Form 1

STL Connecticut		Client Sample ID	**SMP8102203A**
Method: TO17		Lab Sample ID	205114-3
Sample Volume (L)	1.000	Date Sampled	10/22/2003
Temp (C)	25	Date Analyzed	10/24/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	2.4	J	9.7	0.005	J	0.020
Vinyl Chloride	7.8	U	7.8	0.020	U	0.020
Bromomethane	28.3		5.1	0.110		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	4.5		3.2	0.014		0.010
Methylene Chloride	8.6		2.9	0.030		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	1.9	U	1.9	0.010	U	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	1.6	J	2.7	0.006	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	1.0	J	1.5	0.007	J	0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.14	J	2.3	0.0006	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP9102203A**
Method: TO17		Lab Sample ID	205114-4
Sample Volume (L)	0.500	Date Sampled	10/22/2003
Temp (C)	25	Date Analyzed	10/24/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	19.4	U	19.4	0.040	U	0.040
Vinyl Chloride	15.7	U	15.7	0.040	U	0.040
Bromomethane	40.2		10.3	0.156		0.040
Chloroethane	15.2	U	15.2	0.040	U	0.040
1,1-Dichloroethene	5.0	U	5.0	0.020	U	0.020
Carbon Disulfide	10.9		6.4	0.034		0.020
Methylene Chloride	16.7		5.8	0.058		0.020
trans-1,2-Dichloroethene	5.1	U	5.1	0.020	U	0.020
1,1-Dichloroethane	4.9	U	4.9	0.020	U	0.020
cis-1,2-Dichloroethene	5.1	U	5.1	0.020	U	0.020
Chloroform	4.1	U	4.1	0.020	U	0.020
1,1,1-Trichloroethane	3.7	U	3.7	0.020	U	0.020
Carbon Tetrachloride	3.2	U	3.2	0.020	U	0.020
Benzene	6.3	U	6.3	0.020	U	0.020
1,2-Dichloroethane	4.9	U	4.9	0.020	U	0.020
Trichloroethene	0.4	J	3.7	0.002	J	0.020
1,2-Dichloropropane	4.3	U	4.3	0.020	U	0.020
Bromodichloromethane	3.0	U	3.0	0.020	U	0.020
cis-1,3-Dichloropropene	4.4	U	4.4	0.020	U	0.020
Toluene	3.2	J	5.3	0.012	J	0.020
trans-1,3-Dichloropropene	4.4	U	4.4	0.020	U	0.020
1,1,2-Trichloroethane	3.7	U	3.7	0.020	U	0.020
Tetrachloroethene	3.2		2.9	0.022		0.020
Dibromochloromethane	2.4	U	2.4	0.020	U	0.020
Chlorobenzene	4.3	U	4.3	0.020	U	0.020
Ethylbenzene	4.6	U	4.6	0.020	U	0.020
m&p-Xylenes	0.5	J	4.6	0.002	J	0.020
o-Xylene	4.6	U	4.6	0.020	U	0.020
Styrene	4.7	U	4.7	0.020	U	0.020
Bromoform	1.9	U	1.9	0.020	U	0.020
1,1,2,2-Tetrachloroethane	2.9	U	2.9	0.020	U	0.020

Form 1

STL Connecticut		Client Sample ID	**SMP3102203B**
Method: TO17		Lab Sample ID	205114-5
Sample Volume (L)	1.000	Date Sampled	10/22/2003
Temp (C)	25	Date Analyzed	10/24/2003

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	16.5		5.1	0.064		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	4.8		3.2	0.015		0.010
Methylene Chloride	5.5		2.9	0.019		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	3.5		1.8	0.019		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	1.5		1.9	0.008		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	22.1		1.5	0.150		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.2	J	2.3	0.001	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP7102203B**
Method: TO17		Lab Sample ID	205114-6
Sample Volume (L)	1.000	Date Sampled	10/22/2003
Temp (C)	25	Date Analyzed	10/24/2003

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	7.2		5.1	0.028		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	6.4		3.2	0.020		0.010
Methylene Chloride	3.5		2.9	0.012		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	0.8	J	2.5	0.003	J	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	8.1		1.8	0.044		0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	0.3	J	3.1	0.001	J	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	10.5		1.9	0.056		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	397.7	A	1.5	2.700	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	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.5	J	2.3	0.002	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP8102203B**
Method: TO17		Lab Sample ID	205114-7
Sample Volume (L)	1.000	Date Sampled	10/22/2003
Temp (C)	25	Date Analyzed	10/24/2003

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	8.2		5.1	0.032		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	6.4		3.2	0.020		0.010
Methylene Chloride	3.7		2.9	0.013		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	0.3	J	3.1	0.001	J	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.9	U	1.9	0.010	U	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	2.1	J	2.7	0.008	J	0.010
trans-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
1,1,2-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Tetrachloroethene	4.3		1.5	0.029		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.2	J	2.3	0.001	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP9102203B**
Method: TO17		Lab Sample ID	205114-8
Sample Volume (L)	1.000	Date Sampled	10/22/2003
Temp (C)	25	Date Analyzed	10/24/2003

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	15.2		5.1	0.059		0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	5.5		3.2	0.017		0.010
Methylene Chloride	7.5		2.9	0.026		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	3.1	U	3.1	0.010	U	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.9	U	1.9	0.010	U	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	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	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	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.2	J	2.3	0.001	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

LABORATORY CHRONICLE

Job Number: 205114 Date: 11/06/2003

CUSTOMER: LEGGETTE, BRASHEARS & GRAHAM PROJECT: ROWE INDUSTRIES ATTN: Paul Jobmann

Lab ID: 205114-1 Client ID: SMP3102203A Date Recvd: 10/24/2003 Sample Date: 10/22/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24564			

Lab ID: 205114-2 Client ID: SMP7102203A Date Recvd: 10/24/2003 Sample Date: 10/22/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24564			

Lab ID: 205114-3 Client ID: SMP8102203A Date Recvd: 10/24/2003 Sample Date: 10/22/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24564			

Lab ID: 205114-4 Client ID: SMP9102203A Date Recvd: 10/24/2003 Sample Date: 10/22/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24564			

Lab ID: 205114-5 Client ID: SMP3102203B Date Recvd: 10/24/2003 Sample Date: 10/22/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24564			

Lab ID: 205114-6 Client ID: SMP7102203B Date Recvd: 10/24/2003 Sample Date: 10/22/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24564			

Lab ID: 205114-7 Client ID: SMP8102203B Date Recvd: 10/24/2003 Sample Date: 10/22/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24564			

Lab ID: 205114-8 Client ID: SMP9102203B Date Recvd: 10/24/2003 Sample Date: 10/22/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	24564			

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,MRL: Instrument related QC exceed th 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 interfence, 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%.

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

SEVERN TRENT **STL**

STL [illegible]
128 Long Hill Cross Road
Shelton, CT 06484

Tel: (203) 929-8140
Fax: (203) 929-8142

CHAIN OF CUSTODY RECORD

PAGE / OF /

NO.

STL JOB #:

CLIENT: LBG

PROJECT ID: Rowe Ind

STL PROJECT MGR:

RUSH [x] YES [ ] NO DUE DATE

205114

11/06/2003

LEGGETTE, BRASHEARS GRAHAM
PAUL JOBMANN
ROWE INDUSTRIES

TESTS								GENERAL REMARKS
T-01								
T-02								
BOTTLE T								
Tedlar bag								

BOTTLE SET #	CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	QC Y/N	FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	SMP3 102203 A	102203	A	(01)	Y	K								
	SMP7 102203 A			(02)										
	SMP8 102203 A			(03)										
	SMP9 102203 A			(04)										
	SMP3 102203 B			(01)								22	OC	
	SMP7 102203 B			(02)										
	SMP8 102203 B			(03)										"PASSED RAD SCREEN"
	SMP9 102203 B			(04)										

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPARED BY	DATE/TIME
SIGNATURE	
SAMPLES COLLECTED BY	DATE/TIME
Peter Heidl	10-24-03 941
SIGNATURE	

BOTTLES REC'D BY	DATE/TIME
SIGNATURE	
RECEIVED IN LAB BY	DATE/TIME
Eileen Coell	10/29/03
SIGNATURE	09:40

REMARKS ON SAMPLE RECEIPT

[ ] BOTTLES INTACT
[ ] CUSTODY SEALS
[ ] PRESERVED
[ ] SEALS INTACT
[ ] CHILLED
[ ] SEE REMARKS

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 205114 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 10/24/2003
Project Number.: 20000283 Project Description.: Rowe Industries Project Manager.....: mds
Customer.....: LEGGETTE, BRASHEARS & GRAHAM Contact.: Paul Jobmann

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	N	
Temperature of cooler acceptable? (4 deg C +/- 2).	N	22C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?		
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?.	N	D/O BY CLIENT
Sample Custodian Signature/Date	Y	10/24/03

ANALYTICAL REPORT

JOB NUMBER: 205325

Prepared For:

LEGGETTE, BRASHEARS & GRAHAM
126 Monroe Turnpike
Trumbull, CT 06611

Project: ROWE INDUSTRIES

Attention: Paul Jobmann

Date: 12/02/2003

Signature

12/3/03
Date

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (170) Pages

SEVERN TRENT STL

STL Report : 205325
LEGGETTE, BRASHEARS & GRAHAM

Case Narrative

Sample Receipt – All samples were received in good condition.

Volatile Organics – Air volatile organics were determined by purge and trap GC/MS using guidance provided in Method TO-17.

Compounds detected over the calibration limit have been flagged with an "A." There was not enough sample volume left to reanalyze at dilutions.

Sample Calculation:

Sample ID-SMP3103003
Compound-Bromomethane

(423743)(25) = 64.68NG
(307292)(.533)

(64.68NG)(.08206)(298) = 16.65 NL/L.
(1L)(95)(1.0ATM)

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

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

Daniel Helfrich
Technical Director

Dec 3, 2003
Date

SAMPLE INFORMATION
Date: 12/02/2003

Job Number.: 205325
Customer...: LEGGETTE, BRASHEARS & GRAHAM
Attn.....: Paul Jobmann

Project Number.....: 20000283
Customer Project ID....: ROWE INDUSTRIES
Project Description....: Rowe Industries

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205325-1	SMP3103003	Air	10/30/2003	00:00	11/14/2003	17:45
205325-2	SMP7103003	Air	10/30/2003	00:00	11/14/2003	17:45
205325-3	SMP8103003	Air	10/30/2003	00:00	11/14/2003	17:45
205325-4	SMP9103003	Air	10/30/2003	00:00	11/14/2003	17:45
205325-5	SMP3110703	Air	11/07/2003	00:00	11/14/2003	17:45
205325-6	SMP7110703	Air	11/07/2003	00:00	11/14/2003	17:45
205325-7	SMP8110703	Air	11/07/2003	00:00	11/14/2003	17:45
205325-8	SMP9110703	Air	11/07/2003	00:00	11/14/2003	17:45

Form 1

STL Connecticut		Client Sample ID	**SMP3103003**
Method: TO17		Lab Sample ID	205325-1
Sample Volume (L)	1.000	Date Sampled	10/30/2003
Temp (C)	25	Date Analyzed	11/18/2003

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	16.7	B	5.1	0.065	B	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	20.6		3.2	0.064		0.010
Methylene Chloride	12.7	B	2.9	0.044	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	8.6		1.8	0.047		0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	1.6	J	3.1	0.005	J	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	4.7		1.9	0.025		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	6.4		2.7	0.024		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	147.3	A	1.5	1.000	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	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.7	J	2.3	0.003	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP7103003**
Method: TO17		Lab Sample ID	205325-2
Sample Volume (L)	1.000	Date Sampled	10/30/2003
Temp (C)	25	Date Analyzed	11/18/2003

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	7.2	B	5.1	0.028	B	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	21.2		3.2	0.066		0.010
Methylene Chloride	7.8	B	2.9	0.027	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	9.4		1.8	0.051		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	7.1		1.9	0.038		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	5.8		2.7	0.022		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	441.9	A	1.5	3.000	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	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.5	J	2.3	0.002	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP8103003**
Method: TO17		Lab Sample ID	205325-3
Sample Volume (L)	1.000	Date Sampled	10/30/2003
Temp (C)	25	Date Analyzed	11/18/2003

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	4.6	JB	5.1	0.018	JB	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	18.3		3.2	0.057		0.010
Methylene Chloride	13.2	B	2.9	0.046	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	1.9	U	1.9	0.010	U	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	6.9		2.7	0.026		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	8.0		1.5	0.054		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.5	J	2.3	0.002	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP9103003**
Method: TO17		Lab Sample ID	205325-4
Sample Volume (L)	1.000	Date Sampled	10/30/2003
Temp (C)	25	Date Analyzed	11/18/2003

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	5.9	B	5.1	0.023	B	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	19.3		3.2	0.060		0.010
Methylene Chloride	8.4	B	2.9	0.029	B	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	1.9	U	1.9	0.010	U	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	7.2		2.7	0.027		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	2.2		1.5	0.015		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.7	J	2.3	0.003	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP3110703**
Method: TO17		Lab Sample ID	205325-5
Sample Volume (L)	1.000	Date Sampled	11/7/2003
Temp (C)	25	Date Analyzed	11/18/2003

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	4.9	JB	5.1	0.019	JB	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	22.8		3.2	0.071		0.010
Methylene Chloride	63.4	A	2.9	0.220	A	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.8		2.5	0.011		0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	17.5		1.8	0.095		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	4.3		1.9	0.023		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	17.8		2.7	0.067		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	113.4	A	1.5	0.770	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	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP7110703**
Method: TO17		Lab Sample ID	205325-6
Sample Volume (L)	1.000	Date Sampled	11/7/2003
Temp (C)	25	Date Analyzed	11/18/2003

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	12.9	B	5.1	0.050	B	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	13.8		3.2	0.043		0.010
Methylene Chloride	69.1	A	2.9	0.240	A	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	3.6		2.5	0.014		0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	23.9		1.8	0.130		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	9.3		1.9	0.050		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	14.6		2.7	0.055		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	913.3	A	1.5	6.200	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	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.7	J	2.3	0.003	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	SMP8110703
Method: TO17		Lab Sample ID	205325-7
Sample Volume (L)	1.000	Date Sampled	11/7/2003
Temp (C)	25	Date Analyzed	11/18/2003

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	3.6	JB	5.1	0.014	JB	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	30.2		3.2	0.094		0.010
Methylene Chloride	69.1	A	2.9	0.240	A	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	1.5	J	1.9	0.008	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	17.0		2.7	0.064		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	20.6		1.5	0.140		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.9	J	2.3	0.004	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP9110703**
Method: TO17		Lab Sample ID	205325-8
Sample Volume (L)	1.000	Date Sampled	11/7/2003
Temp (C)	25	Date Analyzed	11/18/2003

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	11.3	B	5.1	0.044	B	0.020
Chloroethane	6.8	J	7.6	0.018	J	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	20.2		3.2	0.063		0.010
Methylene Chloride	63.4	A	2.9	0.220	A	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	1.9	J	3.1	0.006	J	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.1	J	1.9	0.006	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	13.8		2.7	0.052		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	7.4		1.5	0.050		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.9	J	2.3	0.004	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

LABORATORY CHRONICLE

Job Number: 205325 — Date: 12/02/2003

CUSTOMER: LEGGETTE, BRASHEARS & GRAHAM — PROJECT: ROWE INDUSTRIES — ATTN: Paul Jobmann

Lab ID: 205325-1 Client ID: SMP3103003 — Date Recvd: 11/14/2003 Sample Date: 10/30/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	25657			

Lab ID: 205325-2 Client ID: SMP7103003 — Date Recvd: 11/14/2003 Sample Date: 10/30/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	25657			

Lab ID: 205325-3 Client ID: SMP8103003 — Date Recvd: 11/14/2003 Sample Date: 10/30/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	25657			

Lab ID: 205325-4 Client ID: SMP9103003 — Date Recvd: 11/14/2003 Sample Date: 10/30/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	25657			

Lab ID: 205325-5 Client ID: SMP3110703 — Date Recvd: 11/14/2003 Sample Date: 11/07/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	25657			

Lab ID: 205325-6 Client ID: SMP7110703 — Date Recvd: 11/14/2003 Sample Date: 11/07/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	25657			

Lab ID: 205325-7 Client ID: SMP8110703 — Date Recvd: 11/14/2003 Sample Date: 11/07/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	25657			

Lab ID: 205325-8 Client ID: SMP9110703 — Date Recvd: 11/14/2003 Sample Date: 11/07/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	25657			

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,MRL: Instrument related QC exceed th 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 interfence, 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%.

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

SEVERN TRENT **STL**

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

Tel: (203) 929-8140
Fax: (203) 929-8142

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 | NO.

STL JOB #:

CLIENT: LBG

PROJECT ID: Rowe Industries

STL PROJECT MGR:

RUSH ☐ YES ☑ NO | DUE DATE

TESTS: T01, T02 | BOTTLE TYPE AND PRESERVATION: Tedlar | GENERAL REMARKS

BOTTLE SET #	CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	QC Y/N	FIELD FILTERED - CIRCLE Y or N	SAMPLE REMARKS
1	SMP 8 103003	1030-03	A	01	N	Y/N	
2	SMP 7 103003	"	"	02	"	Y/N	
3	SMP 8 103003	"	"	03	"	Y/N	
4	SMP 9 103003	"	"	04	"	Y/N	
5	Smp 3 110703	11/7/03	"	05	"	Y/N	
6	smp 7 110703	"	"	06	"	Y/N	
7	smp 8 110703	"	"	07	"	Y/N	19 OC
8	smp 9 110703	"	"	08	"	Y/N	

205325 11/26/2003

LEGGETTE, BRASHEARS GRAHAM
PAUL JOBMANN
ROWE INDUSTRIES

"PASSED RAD SCREEN"

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPARED BY / DATE/TIME		
SIGNATURE		
SAMPLES COLLECTED BY / DATE/TIME	Peter Hesdl	10-30-03
SIGNATURE		
BOTTLES REC'D BY / DATE/TIME	Larry Decker	11/4/03 17:45
SIGNATURE		
RECEIVED IN LAB BY / DATE/TIME		
SIGNATURE		

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT ☐ CUSTODY SEALS
☐ PRESERVED ☐ SEALS INTACT
☐ CHILLED ☐ SEE REMARKS

STL-8122

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 205325 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 11/15/2003
Project Number.: 20000283 Project Description.: Rowe Industries Project Manager.....: mds
Customer.....: LEGGETTE, BRASHEARS & GRAHAM Contact.: Paul Jobmann

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	N	
Temperature of cooler acceptable? (4 deg C +/- 2).	N	19C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?		
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?.	N	P/U BY LARRY
Sample Custodian Signature/Date	Y	

11/05/03

0000010

ANALYTICAL REPORT

JOB NUMBER: 205416

Prepared For:

LEGGETTE, BRASHEARS & GRAHAM
126 Monroe Turnpike
Trumbull, CT 06611

Project: ROWE INDUSTRIES

Attention: Paul Jobmann

Date: 12/18/2003

Michele D. Sciongay
Signature

December 18, 2003
Date

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (9) Pages

SEVERN TRENT STL

STL Report : 205416
LEGGETTE, BRASHEARS & GRAHAM

Case Narrative

Sample Receipt – All samples were received in good condition.

Volatile Organics – Air volatile organics were determined by purge and trap GC/MS using guidance provided in Method TO-17.

Compounds that recovered over the calibration range have been flagged with an "A." There was no sample volume left for reanalysis.

Sample "SMP7112003B" was analyzed at a volume of 350mL due to low sample volume.

Sample "SMP3112003A" had one surrogate recover just outside criteria. There was no sample volume left for reanalysis.

Sample Calculation:

Sample ID-SMP3112003A
Compound-1,1,1-trichloroethane

$\frac{(68356)(25)}{(144760)(.231)} = 51.10 = 51NG$

$\frac{(51NG)(.08206)(298)}{(1L)(133)(1.0ATM)} = 9.4$ nL/L.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION
Date: 12/18/2003

Job Number.: 205416
Customer...: LEGGETTE, BRASHEARS & GRAHAM
Attn.....: Paul Jobmann

Project Number.....: 20000283
Customer Project ID....: ROWE INDUSTRIES
Project Description....: Rowe Industries

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205416-1	SMP3112003A	Air	11/20/2003	00:00	11/26/2003	11:50
205416-2	SMP3112003B	Air	11/20/2003	00:00	11/26/2003	11:50
205416-3	SMP7112003B	Air	11/20/2003	00:00	11/26/2003	11:50
205416-4	SMP8112003B-1	Air	11/20/2003	00:00	11/26/2003	11:50
205416-5	SMP8112003B-2	Air	11/20/2003	00:00	11/26/2003	11:50

Form 1

STL Connecticut		Client Sample ID	**SMP3112003A**
Method: TO17		Lab Sample ID	205416-1
Sample Volume (L)	1.000	Date Sampled	11/20/2003
Temp (C)	25	Date Analyzed	12/11/2003

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	4.4	JB	5.1	0.017	JB	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	35.3		3.2	0.110		0.010
Methylene Chloride	69.1	A	2.9	0.240	A	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	9.6		1.8	0.052		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	3.9		1.9	0.021		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	21.0		2.7	0.079		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	63.3	A	1.5	0.430	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	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.7	J	2.3	0.003	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP3112003B**
Method: TO17		Lab Sample ID	205416-2
Sample Volume (L)	1.000	Date Sampled	11/20/2003
Temp (C)	25	Date Analyzed	12/11/2003

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	11.8	J	5.1	0.046	J	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	32.1		3.2	0.100		0.010
Methylene Chloride	72.0	A	2.9	0.250	A	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.3	J	2.5	0.009	J	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	11.8		1.8	0.064		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	5.4		1.9	0.029		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	29.2		2.7	0.110		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	89.9	A	1.5	0.610	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	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	1.2	J	2.3	0.005	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	**SMP7112003B**
Method: TO17		Lab Sample ID	205416-3
Sample Volume (L)	0.350	Date Sampled	11/20/2003
Temp (C)	25	Date Analyzed	12/11/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	27.7	U	27.7	0.057	U	0.057
Vinyl Chloride	22.4	U	22.4	0.057	U	0.057
Bromomethane	24.3	J	14.7	0.094	J	0.057
Chloroethane	21.7	U	21.7	0.057	U	0.057
1,1-Dichloroethene	7.2	U	7.2	0.029	U	0.029
Carbon Disulfide	39.5		9.2	0.123		0.029
Methylene Chloride	123.4		8.2	0.429		0.029
trans-1,2-Dichloroethene	7.3	U	7.3	0.029	U	0.029
1,1-Dichloroethane	7.1	U	7.1	0.029	U	0.029
cis-1,2-Dichloroethene	7.3	U	7.3	0.029	U	0.029
Chloroform	5.9	U	5.9	0.029	U	0.029
1,1,1-Trichloroethane	5.3	U	5.3	0.029	U	0.029
Carbon Tetrachloride	4.5	U	4.5	0.029	U	0.029
Benzene	1.8	J	8.9	0.006	J	0.029
1,2-Dichloroethane	7.1	U	7.1	0.029	U	0.029
Trichloroethene	6.9		5.3	0.037		0.029
1,2-Dichloropropane	6.2	U	6.2	0.029	U	0.029
Bromodichloromethane	4.3	U	4.3	0.029	U	0.029
cis-1,3-Dichloropropene	6.3	U	6.3	0.029	U	0.029
Toluene	83.4		7.6	0.314		0.029
trans-1,3-Dichloropropene	6.3	U	6.3	0.029	U	0.029
1,1,2-Trichloroethane	5.3	U	5.3	0.029	U	0.029
Tetrachloroethene	138.9	A	4.2	0.943	A	0.029
Dibromochloromethane	3.4	U	3.4	0.029	U	0.029
Chlorobenzene	6.2	U	6.2	0.029	U	0.029
Ethylbenzene	6.6	U	6.6	0.029	U	0.029
m&p-Xylenes	6.6	U	6.6	0.029	U	0.029
o-Xylene	6.6	U	6.6	0.029	U	0.029
Styrene	6.7	U	6.7	0.029	U	0.029
Bromoform	2.8	U	2.8	0.029	U	0.029
1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.029	U	0.029

Form 1

STL Connecticut		Client Sample ID	**SMP8112003B-1**
Method: TO17		Lab Sample ID	205416-4
Sample Volume (L)	1.000	Date Sampled	11/20/2003
Temp (C)	25	Date Analyzed	12/11/2003

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	6.2	J	5.1	0.024	J	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	35.3		3.2	0.110		0.010
Methylene Chloride	60.5	A	2.9	0.210	A	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	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	1.5	J	1.9	0.008	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	21.5		2.7	0.081		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	4.7		1.5	0.032		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.7	J	2.3	0.003	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	SMP8112003B-2
Method: TO17		Lab Sample ID	205416-5
Sample Volume (L)	1.000	Date Sampled	11/20/2003
Temp (C)	25	Date Analyzed	12/11/2003

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	22.1	J	5.1	0.086	J	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	25.1		3.2	0.078		0.010
Methylene Chloride	57.6		2.9	0.200		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	1.9	J	3.1	0.006	J	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.5	J	1.9	0.008	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	16.5		2.7	0.062		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	1.9		1.5	0.013		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	0.9	J	2.3	0.004	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

LABORATORY CHRONICLE

Job Number: 205416

Date: 12/18/2003

CUSTOMER: LEGGETTE, BRASHEARS & GRAHAM PROJECT: ROWE INDUSTRIES ATTN: Paul Jobmann

Lab ID: 205416-1 Client ID: SMP3112003A Date Recvd: 11/26/2003 Sample Date: 11/20/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	26395			

Lab ID: 205416-2 Client ID: SMP3112003B Date Recvd: 11/26/2003 Sample Date: 11/20/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	26395			

Lab ID: 205416-3 Client ID: SMP7112003B Date Recvd: 11/26/2003 Sample Date: 11/20/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	26395			

Lab ID: 205416-4 Client ID: SMP8112003B-1 Date Recvd: 11/26/2003 Sample Date: 11/20/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	26395			

Lab ID: 205416-5 Client ID: SMP8112003B-2 Date Recvd: 11/26/2003 Sample Date: 11/20/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	26395			

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,MRL: Instrument related QC exceed th 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 interfence, 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%.

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

SEVERN TRENT **STL** STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: (203) 929-8140
Fax: (203) 929-8142

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 | NO.

STL JOB #:

CLIENT: LBG

PROJECT ID: Rowe Industries

STL PROJECT MGR:

RUSH ☐ YES ☒ NO | DUE DATE

TESTS | GENERAL REMARKS

40-1 40-2

BOTTLE TYPE AND PR

205416

12/08/2003

LEGGETTE, BRASHEARS GRAHAM
PAUL JOBMANN
ROWE INDUSTRIES

BOTTLE SET #	CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	QC Y/N	FIELD FILTERED – CIRCLE Y or N								SAMPLE REMARKS
						Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	
	Smp 3 112003 A	11/20/03 (01)	A		Y	X	X							
	Smp 3 112003 B	(02)				X	X							
	Smp 7 112003 B	(03)				X	X							
	Smp 8 112003 B-01	(04)				X	X							
	Smp 3 112003 B-02	(05)				X	X							

Two Samples Labeled Smp 112003 B
NO Sample Labeled Smp 5 112003 B

IDs revised as per Paul Jobmann 12/1/03.

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPARED BY	DATE/TIME	BOTTLES REC'D BY	DATE/TIME
SIGNATURE		SIGNATURE	
SAMPLES COLLECTED BY	DATE/TIME	RECEIVED IN LAB BY	DATE/TIME
Paul Jobmann	11/20/03 11:40		11/21/03
SIGNATURE		SIGNATURE	11:50

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT ☐ CUSTODY SEALS
☐ PRESERVED ☐ SEALS INTACT
☐ CHILLED ☐ SEE REMARKS

STL-8122

ANALYTICAL REPORT

JOB NUMBER: 205536

Prepared For:

LEGGETTE, BRASHEARS & GRAHAM
126 Monroe Turnpike
Trumbull, CT 06611

Project: FORMER ROWE SITE

Attention: Paul Jobmann

Date: 12/30/2003

Signature

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

Date 12/31/03

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (126) Pages

SEVERN TRENT STL

STL Report : 205536
LEGGETTE, BRASHEARS & GRAHAM

Case Narrative

Sample Receipt – All samples were received in good condition.

Volatile Organics – Air volatile organics were determined by purge and trap GC/MS using guidance provided in Method T0-17.

Samples were analyzed at the following volumes.

SMP3121103:710	0.5L
SMP3121103:910	0.4L
SMP7121103:912	0.02L
SMP8121103:914	1.0L
SMP9121103:916	1.0L

Sample Calculation:

Sample ID- SMP8121103:914
Compound- Toluene

$\frac{(511321)(25)}{(157733)(1.128)} = 71.8 = 72$ ng

$\frac{(72ng)(0.08206)(298)}{(1L)(92.1)(1.0ATM)} = 19.1$ nL/L

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

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

Daniel Helfrich
Technical Director

12/30/03
Date

0000001

SAMPLE INFORMATION
Date: 12/30/2003

Job Number.: 205536
Customer...: LEGGETTE, BRASHEARS & GRAHAM
Attn.....: Paul Jobmann

Project Number.....: 20000283
Customer Project ID....: FORMER ROWE SITE
Project Description....: Rowe Industries

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205536-1	SMP3121103:710	Air	12/11/2003	07:10	12/15/2003	08:25
205536-2	SMP3121103:910	Air	12/11/2003	09:10	12/15/2003	08:25
205536-3	SMP7121103:912	Air	12/11/2003	09:12	12/15/2003	08:25
205536-4	SMP8121103:914	Air	12/11/2003	09:14	12/15/2003	08:25
205536-5	SMP9121103:916	Air	12/11/2003	09:16	12/15/2003	08:25

Form 1

STL Connecticut		Client Sample ID	**SMP3121103:710**
Method: TO17		Lab Sample ID	205536-1
Sample Volume (L)	0.500	Date Sampled	12/11/2003
Temp (C)	25	Date Analyzed	12/30/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	19.4	U	19.4	0.040	U	0.040
Vinyl Chloride	15.7	U	15.7	0.040	U	0.040
Bromomethane	72.1	B	10.3	0.280	B	0.040
Chloroethane	15.2	U	15.2	0.040	U	0.040
1,1-Dichloroethene	5.0	U	5.0	0.020	U	0.020
Carbon Disulfide	46.3		6.4	0.144		0.020
Methylene Chloride	39.7		5.8	0.138		0.020
trans-1,2-Dichloroethene	5.1	U	5.1	0.020	U	0.020
1,1-Dichloroethane	4.9	U	4.9	0.020	U	0.020
cis-1,2-Dichloroethene	5.1	U	5.1	0.020	U	0.020
Chloroform	4.1	U	4.1	0.020	U	0.020
1,1,1-Trichloroethane	14.3		3.7	0.078		0.020
Carbon Tetrachloride	3.2	U	3.2	0.020	U	0.020
Benzene	12.5	B	6.3	0.040	B	0.020
1,2-Dichloroethane	4.9	U	4.9	0.020	U	0.020
Trichloroethene	2.2	J	3.7	0.012	J	0.020
1,2-Dichloropropane	4.3	U	4.3	0.020	U	0.020
Bromodichloromethane	3.0	U	3.0	0.020	U	0.020
cis-1,3-Dichloropropene	4.4	U	4.4	0.020	U	0.020
Toluene	18.6		5.3	0.070		0.020
trans-1,3-Dichloropropene	4.4	U	4.4	0.020	U	0.020
1,1,2-Trichloroethane	3.7	U	3.7	0.020	U	0.020
Tetrachloroethene	56.0		2.9	0.380		0.020
Dibromochloromethane	2.4	U	2.4	0.020	U	0.020
Chlorobenzene	4.3	U	4.3	0.020	U	0.020
Ethylbenzene	4.6	U	4.6	0.020	U	0.020
m&p-Xylenes	0.9	J	4.6	0.004	J	0.020
o-Xylene	4.6	U	4.6	0.020	U	0.020
Styrene	4.7	U	4.7	0.020	U	0.020
Bromoform	1.9	U	1.9	0.020	U	0.020
1,1,2,2-Tetrachloroethane	2.9	U	2.9	0.020	U	0.020

Form 1

STL Connecticut		Client Sample ID	**SMP3121103:910**
Method: TO17		Lab Sample ID	205536-2
Sample Volume (L)	0.400	Date Sampled	12/11/2003
Temp (C)	25	Date Analyzed	12/30/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	24.2	U	24.2	0.050	U	0.050
Vinyl Chloride	19.6	U	19.6	0.050	U	0.050
Bromomethane	20.6	B	12.9	0.080	B	0.050
Chloroethane	19.0	U	19.0	0.050	U	0.050
1,1-Dichloroethene	6.3	U	6.3	0.025	U	0.025
Carbon Disulfide	37.0		8.0	0.115		0.025
Methylene Chloride	42.5		7.2	0.148		0.025
trans-1,2-Dichloroethene	6.4	U	6.4	0.025	U	0.025
1,1-Dichloroethane	6.2	U	6.2	0.025	U	0.025
cis-1,2-Dichloroethene	6.4	U	6.4	0.025	U	0.025
Chloroform	5.1	U	5.1	0.025	U	0.025
1,1,1-Trichloroethane	17.5		4.6	0.095		0.025
Carbon Tetrachloride	4.0	U	4.0	0.025	U	0.025
Benzene	8.6	B	7.8	0.028	B	0.025
1,2-Dichloroethane	6.2	U	6.2	0.025	U	0.025
Trichloroethene	2.3	J	4.7	0.013	J	0.025
1,2-Dichloropropane	5.4	U	5.4	0.025	U	0.025
Bromodichloromethane	3.7	U	3.7	0.025	U	0.025
cis-1,3-Dichloropropene	5.5	U	5.5	0.025	U	0.025
Toluene	15.3		6.6	0.058		0.025
trans-1,3-Dichloropropene	5.5	U	5.5	0.025	U	0.025
1,1,2-Trichloroethane	4.6	U	4.6	0.025	U	0.025
Tetrachloroethene	66.3		3.7	0.450		0.025
Dibromochloromethane	2.9	U	2.9	0.025	U	0.025
Chlorobenzene	5.4	U	5.4	0.025	U	0.025
Ethylbenzene	5.8	U	5.8	0.025	U	0.025
m&p-Xylenes	5.8	U	5.8	0.025	U	0.025
o-Xylene	5.8	U	5.8	0.025	U	0.025
Styrene	5.9	U	5.9	0.025	U	0.025
Bromoform	2.4	U	2.4	0.025	U	0.025
1,1,2,2-Tetrachloroethane	3.6	U	3.6	0.025	U	0.025

Form 1

STL Connecticut		Client Sample ID	**SMP7121103:912**
Method: TO17		Lab Sample ID	205536-3
Sample Volume (L)	0.020	Date Sampled	12/11/2003
Temp (C)	25	Date Analyzed	12/29/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	484.2	U	484.2	1.000	U	1.000
Vinyl Chloride	391.3	U	391.3	1.000	U	1.000
Bromomethane	334.6	B	257.4	1.300	B	1.000
Chloroethane	379.1	U	379.1	1.000	U	1.000
1,1-Dichloroethene	126.1	U	126.1	0.500	U	0.500
Carbon Disulfide	160.7	U	160.7	0.500	U	0.500
Methylene Chloride	72.0	J	144.0	0.250	J	0.500
trans-1,2-Dichloroethene	127.4	U	127.4	0.500	U	0.500
1,1-Dichloroethane	123.5	U	123.5	0.500	U	0.500
cis-1,2-Dichloroethene	127.4	U	127.4	0.500	U	0.500
Chloroform	102.7	U	102.7	0.500	U	0.500
1,1,1-Trichloroethane	91.9	U	91.9	0.500	U	0.500
Carbon Tetrachloride	79.4	U	79.4	0.500	U	0.500
Benzene	11.0	JB	156.6	0.035	JB	0.500
1,2-Dichloroethane	123.5	U	123.5	0.500	U	0.500
Trichloroethene	93.3	U	93.3	0.500	U	0.500
1,2-Dichloropropane	108.2	U	108.2	0.500	U	0.500
Bromodichloromethane	74.6	U	74.6	0.500	U	0.500
cis-1,3-Dichloropropene	110.2	U	110.2	0.500	U	0.500
Toluene	132.8	U	132.8	0.500	U	0.500
trans-1,3-Dichloropropene	110.2	U	110.2	0.500	U	0.500
1,1,2-Trichloroethane	91.9	U	91.9	0.500	U	0.500
Tetrachloroethene	721.8		73.7	4.900		0.500
Dibromochloromethane	58.8	U	58.8	0.500	U	0.500
Chlorobenzene	108.2	U	108.2	0.500	U	0.500
Ethylbenzene	115.3	U	115.3	0.500	U	0.500
m&p-Xylenes	115.3	U	115.3	0.500	U	0.500
o-Xylene	115.3	U	115.3	0.500	U	0.500
Styrene	117.6	U	117.6	0.500	U	0.500
Bromoform	48.3	U	48.3	0.500	U	0.500
1,1,2,2-Tetrachloroethane	72.8	U	72.8	0.500	U	0.500

Form 1

STL Connecticut		Client Sample ID	**SMP8121103:914**
Method: TO17		Lab Sample ID	205536-4
Sample Volume (L)	1.000	Date Sampled	12/11/2003
Temp (C)	25	Date Analyzed	12/29/2003

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	9.3	B	5.1	0.036	B	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	38.6		3.2	0.120		0.010
Methylene Chloride	37.4		2.9	0.130		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	1.3	JB	3.1	0.004	JB	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.3	J	1.9	0.007	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	19.1		2.7	0.072		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	2.9		1.5	0.020		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	1.8	J	2.3	0.008	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

Form 1

STL Connecticut		Client Sample ID	**SMP9121103:916**
Method: TO17		Lab Sample ID	205536-5
Sample Volume (L)	1.000	Date Sampled	12/11/2003
Temp (C)	25	Date Analyzed	12/29/2003

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	9.3	B	5.1	0.036	B	0.020
Chloroethane	8.0		7.6	0.021		0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	31.2		3.2	0.097		0.010
Methylene Chloride	37.4		2.9	0.130		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	2.2	JB	3.1	0.007	JB	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.5	J	1.9	0.008	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	15.1		2.7	0.057		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	1.6		1.5	0.011		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	1.4	J	2.3	0.006	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

LABORATORY CHRONICLE

Job Number: 205536 Date: 12/30/2003

CUSTOMER: LEGGETTE, BRASHEARS & GRAHAM PROJECT: FORMER ROWE SITE ATTN: Paul Jobmann

Lab ID: 205536-1 Client ID: SMP3121103:710 Date Recvd: 12/15/2003 Sample Date: 12/11/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
TO17	Volatile Organics (Air)	1	26778			

Lab ID: 205536-2 Client ID: SMP3121103:910 Date Recvd: 12/15/2003 Sample Date: 12/11/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
TO17	Volatile Organics (Air)	1	26778			

Lab ID: 205536-3 Client ID: SMP7121103:912 Date Recvd: 12/15/2003 Sample Date: 12/11/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
TO17	Volatile Organics (Air)	1	26778			

Lab ID: 205536-4 Client ID: SMP8121103:914 Date Recvd: 12/15/2003 Sample Date: 12/11/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
TO17	Volatile Organics (Air)	1	26778			

Lab ID: 205536-5 Client ID: SMP9121103:916 Date Recvd: 12/15/2003 Sample Date: 12/11/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
TO17	Volatile Organics (Air)	1	26778			

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 12/30/2003

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,MRL: Instrument related QC exceed th 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 interfence, 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%.

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

SEVERN TRENT SERVICES

STL Connecticut
128 Long Hill Cross Road
Shelton CT 064848
Tel: (203) 929-8140
Fax: (203) 929-8142

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 | NO.

STL JOB #:

CLIENT: LBG

PROJECT ID: Former Rowe Site

STL PROJECT MGR: Michele Sciongay

RUSH ☐ YES ☒ NO | DUE DATE 12/31/03

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: TDI, TO2 — FIELD FILTERED – CIRCLE Y or N	BOTTLE TYPE AND PRESERVATION: Ziploc Bag	SAMPLE REMARKS
1	SMP3 121103:710	12/11/03 7:10 am	A		Y	Y/N ✓		
2	SMP3 121103:910	12/11/03 9:10 am				Y/N ✓		
3	SMP7 121103:912	12/11/03 9:12 am				Y/N ✓		
4	SMP8 121103:914	12/11/03 9:14 am				Y/N ✓		
5	SMP9 121103:916	12/11/03 9:16 am	✓		✓	Y/N ✓		

205536 12/27/2003

LEGGETTE, BRASHEARS GRAHAM
PAUL JOBMANN
ROWE INDUSTRIES

PASSED PAPERWORK

250

MATRIX CODES

A – AIR
AQ – AQUEOUS
C – COMPLEX
D – DRUM WASTE
OI – OIL
S – SOIL
SL – SLUDGE
W – WIPE
O – OTHER
FB – FIELD BLANK
TB – TRIP BLANK

BOTTLES PREPARED BY: Mark M. Goldberg — DATE / TIME: 12/11/03 4:00 PM
SIGNATURE: Mark M. Goldberg

SAMPLES COLLECTED BY — DATE / TIME
SIGNATURE

BOTTLES REC'D BY: Terry Decker — DATE / TIME: 12-15-03 8:35
SIGNATURE

RECEIVED IN LAB — DATE / TIME: 12/15/03 1:25
SIGNATURE: Jill Priester

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT ☐ CUSTODY SEALS
☐ PRESERVED ☐ SEALS INTACT
☐ CHILLED ☐ SEE REMARKS

STL-8122 (0600)

LAB COPY

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 205536 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 12/15/2003
Project Number.: 20000283 Project Description.: Rowe Industries Project Manager.....: mds
Customer.....: LEGGETTE, BRASHEARS & GRAHAM Contact.: Paul Jobmann

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	N	airs
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	25c
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)	Y	
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments	N	
If samples were shipped was there an air bill #?	N	stl-courier (L.Decker)
Sample Custodian Signature/Date	Y	12/15/03

ANALYTICAL REPORT

JOB NUMBER: 205596

Prepared For:

LEGGETTE, BRASHEARS & GRAHAM
126 Monroe Turnpike
Trumbull, CT 06611

Project: ROWE INDUSTRIES

Attention: Paul Jobmann

Date: 01/09/2004

Michele D. Sciongay
Signature

January 9, 2004
Date

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (110) Pages

SEVERN TRENT STL

STL Report : 205596
LEGGETTE, BRASHEARS & GRAHAM

Case Narrative

Sample Receipt – All samples were received in good condition.

Volatile Organics – Air volatile organics were determined by purge and trap GC/MS using guidance provided in Method TO-17.

Samples SMP3122303:925 and SMP7122303:927 were analyzed at sample volumes of .5L and .25L, respectively, due to high target compound concentrations.

Sample Calculation:

Sample ID-SMP3122303:925
Compound-Tetrachloroethene

$\frac{(279336)(25)}{(122970)(.362)} = 156.8 = 160$ NG

$\frac{(160NG)(.08206)(298)}{(.5L)(166)(1.0ATM)} = 47.1$ nL/L.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

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

Daniel Helfrich
Technical Director

1/9/04
Date

0000001

SAMPLE INFORMATION
Date: 01/09/2004

Job Number.: 205596
Customer...: LEGGETTE, BRASHEARS & GRAHAM
Attn.....: Paul Jobmann

Project Number.....: 20000283
Customer Project ID....: ROWE INDUSTRIES
Project Description....: Rowe Industries

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205596-1	SMP3122303:925	Air	12/23/2003	09:25	12/29/2003	10:30
205596-2	SMP7122303:927	Air	12/23/2003	09:27	12/29/2003	10:30
205596-3	SMP8122303:930	Air	12/23/2003	09:30	12/29/2003	10:30
205596-4	SMP9122303:932	Air	12/23/2003	09:32	12/29/2003	10:30

Form 1

STL Connecticut		Client Sample ID	**SMP3122303:925**
Method: TO17		Lab Sample ID	205596-1
Sample Volume (L)	0.500	Date Sampled	12/23/2003
Temp (C)	25	Date Analyzed	1/8/2004

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	19.4	U	19.4	0.040	U	0.040
Vinyl Chloride	15.7	U	15.7	0.040	U	0.040
Bromomethane	7.7	JB	10.3	0.030	JB	0.040
Chloroethane	15.2	U	15.2	0.040	U	0.040
1,1-Dichloroethene	5.0	U	5.0	0.020	U	0.020
Carbon Disulfide	61.7		6.4	0.192		0.020
Methylene Chloride	23.6		5.8	0.082		0.020
trans-1,2-Dichloroethene	5.1	U	5.1	0.020	U	0.020
1,1-Dichloroethane	4.9	U	4.9	0.020	U	0.020
cis-1,2-Dichloroethene	5.1	U	5.1	0.020	U	0.020
Chloroform	4.1	U	4.1	0.020	U	0.020
1,1,1-Trichloroethane	12.1		3.7	0.066		0.020
Carbon Tetrachloride	3.2	U	3.2	0.020	U	0.020
Benzene	1.3	JB	6.3	0.004	JB	0.020
1,2-Dichloroethane	4.9	U	4.9	0.020	U	0.020
Trichloroethene	2.6	J	3.7	0.014	J	0.020
1,2-Dichloropropane	4.3	U	4.3	0.020	U	0.020
Bromodichloromethane	3.0	U	3.0	0.020	U	0.020
cis-1,3-Dichloropropene	4.4	U	4.4	0.020	U	0.020
Toluene	19.6		5.3	0.074		0.020
trans-1,3-Dichloropropene	4.4	U	4.4	0.020	U	0.020
1,1,2-Trichloroethane	3.7	U	3.7	0.020	U	0.020
Tetrachloroethene	47.1		2.9	0.320		0.020
Dibromochloromethane	2.4	U	2.4	0.020	U	0.020
Chlorobenzene	4.3	U	4.3	0.020	U	0.020
Ethylbenzene	4.6	U	4.6	0.020	U	0.020
m&p-Xylenes	0.9	J	4.6	0.004	J	0.020
o-Xylene	4.6	U	4.6	0.020	U	0.020
Styrene	4.7	U	4.7	0.020	U	0.020
Bromoform	1.9	U	1.9	0.020	U	0.020
1,1,2,2-Tetrachloroethane	2.9	U	2.9	0.020	U	0.020

Form 1

STL Connecticut		Client Sample ID	**SMP7122303:927**
Method: TO17		Lab Sample ID	205596-2
Sample Volume (L)	0.250	Date Sampled	12/23/2003
Temp (C)	25	Date Analyzed	1/8/2004

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	38.7	U	38.7	0.080	U	0.080
Vinyl Chloride	31.3	U	31.3	0.080	U	0.080
Bromomethane	12.4	JB	20.6	0.048	JB	0.080
Chloroethane	30.3	U	30.3	0.080	U	0.080
1,1-Dichloroethene	10.1	U	10.1	0.040	U	0.040
Carbon Disulfide	24.4		12.9	0.076		0.040
Methylene Chloride	19.6		11.5	0.068		0.040
trans-1,2-Dichloroethene	10.2	U	10.2	0.040	U	0.040
1,1-Dichloroethane	9.9	U	9.9	0.040	U	0.040
cis-1,2-Dichloroethene	10.2	U	10.2	0.040	U	0.040
Chloroform	8.2	U	8.2	0.040	U	0.040
1,1,1-Trichloroethane	7.4	U	7.4	0.040	U	0.040
Carbon Tetrachloride	6.4	U	6.4	0.040	U	0.040
Benzene	1.3	JB	12.5	0.004	JB	0.040
1,2-Dichloroethane	9.9	U	9.9	0.040	U	0.040
Trichloroethene	7.5	U	7.5	0.040	U	0.040
1,2-Dichloropropane	8.7	U	8.7	0.040	U	0.040
Bromodichloromethane	6.0	U	6.0	0.040	U	0.040
cis-1,3-Dichloropropene	8.8	U	8.8	0.040	U	0.040
Toluene	10.6		10.6	0.040		0.040
trans-1,3-Dichloropropene	8.8	U	8.8	0.040	U	0.040
1,1,2-Trichloroethane	7.4	U	7.4	0.040	U	0.040
Tetrachloroethene	44.2		5.9	0.300		0.040
Dibromochloromethane	4.7	U	4.7	0.040	U	0.040
Chlorobenzene	8.7	U	8.7	0.040	U	0.040
Ethylbenzene	9.2	U	9.2	0.040	U	0.040
m&p-Xylenes	9.2	U	9.2	0.040	U	0.040
o-Xylene	9.2	U	9.2	0.040	U	0.040
Styrene	9.4	U	9.4	0.040	U	0.040
Bromoform	3.9	U	3.9	0.040	U	0.040
1,1,2,2-Tetrachloroethane	5.8	U	5.8	0.040	U	0.040

Form 1

STL Connecticut		Client Sample ID	**SMP8122303:930**
Method: TO17		Lab Sample ID	205596-3
Sample Volume (L)	1.000	Date Sampled	12/23/2003
Temp (C)	25	Date Analyzed	1/7/2004

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	3.6	JB	5.1	0.014	JB	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	38.6		3.2	0.120		0.010
Methylene Chloride	24.5		2.9	0.085		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	0.9	JB	3.1	0.003	JB	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.7	J	1.9	0.009	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	19.4		2.7	0.073		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	3.1		1.5	0.021		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	1.4	J	2.3	0.006	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	0.9	J	2.4	0.004	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

Form 1

STL Connecticut		Client Sample ID	**SMP9122303:932**
Method: TO17		Lab Sample ID	205596-4
Sample Volume (L)	1.000	Date Sampled	12/23/2003
Temp (C)	25	Date Analyzed	1/7/2004

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	4.6	JB	5.1	0.018	JB	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	38.6		3.2	0.120		0.010
Methylene Chloride	22.8		2.9	0.079		0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	0.9	JB	3.1	0.003	JB	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.7	J	1.9	0.009	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	21.0		2.7	0.079		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	1.9		1.5	0.013		0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	1.4	J	2.3	0.006	J	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	0.9	J	2.4	0.004	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

LABORATORY CHRONICLE

Job Number: 205596 Date: 01/09/2004

CUSTOMER: LEGGETTE, BRASHEARS & GRAHAM PROJECT: ROWE INDUSTRIES ATTN: Paul Jobmann

Lab ID: 205596-1 Client ID: SMP3122303:925 Date Recvd: 12/29/2003 Sample Date: 12/23/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	27141			

Lab ID: 205596-2 Client ID: SMP7122303:927 Date Recvd: 12/29/2003 Sample Date: 12/23/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	27141			

Lab ID: 205596-3 Client ID: SMP8122303:930 Date Recvd: 12/29/2003 Sample Date: 12/23/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	27141			

Lab ID: 205596-4 Client ID: SMP9122303:932 Date Recvd: 12/29/2003 Sample Date: 12/23/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
T017	Volatile Organics (Air)	1	27141			

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/09/2004

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,MRL: Instrument related QC exceed th 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 interfence, 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%.

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
LBG	Paul Jobmann	12/24/03	180040
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
126 Monroe Turnpike	203-452-3100		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Trumbull / CT / 06611			
Project Name and Location (State)	**Carrier/Waybill Number**		
Rowe			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
SMP3 122303:925 (01)	12/23/03	925 am	X				X						TDL, TO2	
SMP7 122303:927 (02)	↓	927 am	↓				↓						↓	
SMP8 122303:930 (03)		930 am												
SMP9 122303:932 (04)	↓	932 am	↓				↓						↓	
(05)														
(06)														

205596 01/10/2004

LEGGETTE, BRASHEARS GRAHAM
PAUL JOBMANN
ROWE INDUSTRIES

06

26

"PASSED RAD SCREEN"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
Full QC

	Date	Time		Date	Time
1. Relinquished By: Mark M. Goldberg	12/29/03	0940	1. Received By: Richard L Ina	12/29/03	0940
2. Relinquished By	Date	Time	2. Received By	Date 12/29/03	Time 1045
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 205596 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 12/29/2003
Project Number.: 20000283 Project Description.: Rowe Industries Project Manager.....: mds
Customer.....: LEGGETTE, BRASHEARS & GRAHAM Contact.: Paul Jobmann

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	N	
Temperature of cooler acceptable? (4 deg C +/- 2).	N	26C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?		
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?.	N	P/U BY DICK
Sample Custodian Signature/Date	Y	12/29/03

0000012