ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

ROUX

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ISLANDIA, NEW YORK 11788
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630

November 17, 1998

Debra L. Rothberg, Esq.
DL Rothberg & Associates, P.C.
230 Park Avenue
Suite 615
New York, New York 10169

Re: Results of Phase II Investigation
117 Post Avenue, Westbury, New York

Dear Ms. Rothberg:

Roux Associates, Inc. (Roux Associates) has completed a Phase II investigation at 117 Post Avenue, Westbury, New York (Site). Provided below are the results of the Phase II investigation performed at the Site including our conclusions and recommendations. All field activities were completed from October 21, 1998 through October 29, 1998.

Background

A Phase I Environmental Site Assessment (ESA) of the Site conducted by Roux Associates in August and September 1998, identified three environmental conditions for which Roux Associates recommended additional investigation as part of this Phase II investigation.

Of these noted environmental conditions, Roux Associates completed a Phase II investigation to address the following:

- the presence of suspect lead paint and asbestos containing materials within the Site building;
- the potential for the existence of an active connection for Site wastewater discharges to an on-site septic system; and
- the presence of elevated concentrations of tetrachloroethylene (PCE) in ground water at depth beneath the Site from an upgradient source.

26, 2000

To address these three conditions, Roux Associates completed the following scope of work items as part of Phase II activities at the Site:

- a lead paint and asbestos survey;
- a test pit investigation; and
- a soil gas survey.

The scope of work and results for each of these tasks is described below.

Furthermore, two additional environmental conditions were identified in the Phase I ESA. These included the following:

- The presence of various debris at the Site; and
- the presence of one underground storage tank and three aboveground storage tanks at the Site.

These items were not investigated as part of Phase II activities; however, we have provided recommendations to address these issues in this report.

Task 1: Lead Paint and Asbestos Survey

To comply with New York State requirements, a pre-demolition survey was completed to verify the presence of lead paint and asbestos containing materials in the Site buildings prior to any demolition. As part of this task, Roux Associates subcontracted Absolute Air Quality, Inc. (AAQ) to perform this comprehensive pre-demolition lead paint and asbestos survey.

As part of the asbestos survey, 25 bulk samples were collected from the building currently occupied by Aquaquality Pools & Spas, Inc. of suspect building materials that have the potential of containing asbestos. Asbestos containing materials (ACMs), as defined by the United States Environmental Protection Agency (USEPA) and the New York State Department of Labor, is a material that contains greater than 1 percent by weight. Materials that were sampled by AAQ and analyzed by EnviroTechniques, Inc. of Paterson, New Jersey, using Phase Light Microscopy (PLM) consisted of window glazing, roof shingles, house siding, floor tiles, pipe insulation, pipe fitting insulation, wall plaster, ceiling tile glues, and ceiling tiles.

The analytical results indicate that seven of the 25 samples collected contain asbestos greater than 1 percent by weight. These materials include a portion of the exterior house siding, floor tiles, pipe insulation, pipe fitting material, hot water heater gasketing, boiler insulation and linoleum. The asbestos sampling analytical results, as well as locations and quantities of ACMs, are provided in Appendix A.

It should be noted that the upper portion of the building occupied by Aquaquality Pools & Spas, Inc., which is apparently used as residential apartments, could not be accessed during the investigation.

A lead based paint screening was also conducted in order to inspect the condition of painted surfaces and to test painted surfaces for lead. Seven paint chip samples were collected by AAQ from locations which included the basement wall, exterior window, interior wall, storage area floor, exterior siding, office ceiling and chemical storage shed. The paint chip samples were analyzed by Schneider Laboratories, Inc. of Richmond, Virginia. Lead based paint is defined as paint containing lead content greater than 0.5 percent by weight.

The analytical results indicate that four of the seven paint chip samples collected contain lead greater than 0.5 percent by weight. The visual inspection did not indicate significant amounts of chipping or peeling lead paint. The lead paint chip sampling analytical results, as well as locations of materials containing lead greater than 0.5 percent by weight, are provided in Appendix A.

Task 2: Test Pit Investigation

On October 23, 1998, test pitting activities were performed by our subcontractor, Environmental Closures, Inc. of New Hyde Park, New York, to identify the location of and the condition of the Site septic system. A Site inspection was previously completed that indicated the building is connected to the public sewer along Post Avenue and it was likely that the Site septic system was located on the south side of the 117 Post Avenue building. No documentation evidencing that the system was properly closed was identified.

During excavation activities, the former Site septic system (i.e., leaching pool) was located to the southwest of the Site building. A leaching pool (3-foot diameter) was located approximately 3 feet below land surface and extended to approximately 12 feet below land surface. The leaching pool was constructed of brick and concrete and was filled with a light brown medium to coarse sand. During excavation activities, Roux Associates screened the excavated soil from the sides of the leaching pool with a

photoionization detector (PID). There were no detections of volatile organic compounds (VOCs) during soil screening activities and there were no discernible impacts (i.e., odors or staining) during excavation activities.

Roux Associates collected one sample of the soil within the leaching pool (LP-1T) and the native soil underlying the leaching pool (LP-2B). The samples were analyzed for total VOCs, total semivolatile organic compounds (SVOCs), and Resource Conservation and Recovery Act (RCRA) metals by Analab, Inc. of Edison, New Jersey. Methylene chloride, a common laboratory contaminant, was detected in the LP-1T soil sample at 9.6 micrograms per kilogram (µg/kg). No additional VOCs or SVOCs were detected in either soil sample. Arsenic was detected in LP-1T at 3.4 milligrams per kilogram (mg/kg) and in LP-2B at 1.7 mg/kg, which are both below the New York State Department of Environmental Conservation Recommended Soil Cleanup Objectives (NYSDEC RSCOs) of 7.5 mg/kg. In addition, lead was detected in LP-1T at 32.1 mg/kg. The NYSDEC RSCO for lead ranges from 4-61 mg/kg in undeveloped, rural areas to 200-500 mg/kg in metropolitan or suburban areas. The analytical results of leaching pool soil sampling activities are provided in Appendix B.

Task 3: Soil Gas Survey

On October 29, 1998, Zebra Environmental Corporation of Inwood, New York completed a soil gas survey at the Site under the supervision of Roux Associates. The soil gas survey was performed to determine whether there are any impacts to the Site from the presence of PCE in the ground water from an upgradient source. The ground water is at a depth of approximately 29 to 32 feet below land surface and the soil gas survey was conducted to determine if there are concentrations of any solvents in the soil gas.

Ten soil gas survey points were located consistent with preliminary development plans for the Site and were advanced to approximately 10-12 feet below land surface using a direct-push Geoprobe™ rig. Soil gas collected from each location was analyzed in the field using a PID and a flame ionization detector (FID). Three of the 10 air samples collected were analyzed by Severn Trent Laboratories of Pensacola, Florida using USEPA Method TO-14. In addition, a field blank was also collected and analyzed for QA/QC purposes. Provided below are the results of the soil gas survey.

Four soil gas sampling locations (SG-1, SG-2, SG-5, SG-10) were located within the building footprint and adjacent to the likely basement area for the proposed senior living center building. The remaining locations (SG-3, SG-4, SG-6, SG-7, SG-8, SG-9) were located within the area of the proposed basement. Soil gas samples SG-4, SG-6 and SG-10 were selected for laboratory analysis, based on their respective FID

results. A field blank, designated SG-11, was also collected and sent to the laboratory for analysis. The following is a summary of field screening collected by Roux Associates:

Soil Gas Survey Location	PID (in ppm)	FID (in ppm)	LAB SAMPLE mg/m³	Inside or Outside Proposed Basement Area
SG-1	9.23	2.93	NA	Outside
SG-2	1.47	14.10	NA	Outside
SG-3	3.25	25.63	NA	Inside
SG-4	6.35	19.35	0.51 (510 ug/m³)	Inside
SG-5	23.23	3.65	NA	Outside
SG-6	6.35	29.17	ND	Inside
SG-7	0.87	13.96	NA	Inside
SG-8	0.12	3.68	NA	Inside
SG-9	0.78	3.08	NA	Inside
SG-10	4.36	119	8.6 (8600 ug/m³)	Outside
blank SG-11			ND	

The analytical results of soil gas sampling activities for sample locations SG-4, SG-6, SG-10 and SG-11 are provided in Appendix C. The results show that PCE was detected in SG-4 and SG-10 at 0.51 milligrams per cubic meter (mg/m^3) and 8.6 mg/m^3, respectively. The only guideline available to compare these results is the USEPA Region III Risk-Based Concentration (RBC) for PCE in ambient air. The USEPA Region III ambient air criteria is 0.0031 mg/m^3. A copy of the USEPA Region III RBC table is provided in Appendix D. No volatile organic compounds were detected in soil gas sample SG-6 or the field blank (SG-11).

Conclusions and Recommendations

Provided below is a summary of our conclusions and recommendations as a result of performing each of the above tasks.

Task 1 - Lead Paint and Asbestos Survey

The lead based paint is not required to be abated based on its current condition (i.e., no flaking, peeling, chipping). If the building is scheduled for demolition, all ACMs must be removed and disposed of as per New York State Industrial Code 56, OSHA 1926.1101 and USEPA NESHAPS.

Task 2 - Test Pit Investigation

Intrusive activities (i.e., excavating) indicated the leaching pool was previously backfilled and is no longer utilized as part of the Site septic system; further confirming that the building is likely connected to the public sewer along Post Avenue. As there is

no existing documentation, either onsite or in the regulatory records that have been reviewed to date confirming the system's formal closure, it is uncertain if the Site septic system was properly closed. There is, however, no specific requirement to address this issue further.

Task 3 - Soil Gas Survey

The results of the soil gas survey indicate that there is a concern with vapors which emanate from the PCE plume beneath the Site. This issue does not appear to be a result of Site operations and an upgradient dry cleaner has been identified as a Potentially Responsible Party (PRP) by the NYSDEC.

This concern can be addressed by proper design and engineering controls which would eliminate any potential health or safety concern in use of the property as a senior living center. As a result, the installation of any proposed basement or subgrade structures may be problematic. As a result of the soil gas survey, to avoid the potential accumulation of gas in a basement structure, the preferred construction of any building structures is slab on grade. In addition, as a precaution a venting system should be installed under the slab on grade which may consist of a 6-inch gravel bed with perforated gas collection pipes that will vent any gas outside the building, either actively or passively. In addition to the sub-slab design elements, the design of the building HVAC system should also create and maintain positive air pressure within the building's lower floors as well.

Debris

There is a considerable amount of debris present at the Site consisting mainly of wood, soil, brick, concrete and additional landscaping materials. These items, if they remain at the time of future construction activities, should be removed and properly disposed.

Underground and Aboveground Storage Tanks

The Phase I ESA indicated that there is one underground storage tank (fuel oil) of unknown size and condition at the Site. In addition, there are three aboveground storage tanks consisting of one 275-gallon waste oil tank, one 500-gallon diesel tank and one 1,000-gallon diesel tank. These tanks should be pumped out and properly removed and disposed.

We look forward to the opportunity to continue to work with you on this project. Should you have any comments or questions, please do not hesitate to call.

Respectfully Submitted,

ROUX ASSOCIATES, INC.

Peter J. Gerbasi, P.E.
Principal Engineer

cc: J. Makowski, Roux Associates, Inc.
S. Krieger, The Engel Group

APPENDIX A

Lead Paint and Asbestos
Sampling Analytical Results

ABSOLUTE AIR QUALITY, INC.

WHY BREATHE ANYTHING ELSE

November 2, 1998

Mr. Peter Gerbasi
Roux Associates, Inc.
1377 Motor Parkway
Islandia, NY 11788

RE: Survey: 117 Post Avenue, Westbury, Long Island

Dear Mr. Gerbasi:

On October 21, 1998 Absolute Air Quality, Inc. (AAQ) conducted a survey of the property known as 117 Post Avenue in Westbury, Long Island. The purpose of this survey was to locate any reasonably accessible areas that may contain asbestos building materials and to identify any lead based paint that may be on the major painted surfaces i.e. windows, walls, and exterior siding.

The above-referenced property consists of an early 1900 house converted over to commercial space, located on the ground floor, and apartments on the second and third floors. There also exists on the property two storage sheds, landscaping supplies, and a trailer. The main structure consists of a basement, a ground floor with and attached rear storage room, rear porch, and occupied apartments on the second and third floors. The one shed contains pool chemicals; and the larger silver colored shed contains heavy equipment.

The converted house is constructed of plaster/lathe walls, concrete walls, sheetrock, various size ceiling tiles, shingled roofing, cedar and trancite siding. The chemical storage shed is constructed of aluminum siding, while the heavy equipment shed is constructed of aluminum and shingled roofing, wood and stud siding. The heating plant for the main structure consists of a boiler in the basement and hot water heater that provides steam heat to the perimeter radiators and hot water for tenants.

As part of the asbestos survey, 25 bulk samples were collected of suspect building materials that have the potential of containing asbestos. Asbestos containing materials, as defined by the US EPA and NYS Department of Labor, is a material that contains greater than 1 percent by weight. Materials that were collected and sent to the independent laboratory for analysis by PLM (Phase Light Microscopy) were window glazing, roof shingles, house siding, floor tiles, pipe insulation, pipe fitting insulation, wall plaster (brown/skim coats), ceiling tile glues, and ceiling tiles.

209 Overlook Drive
Sussex, New Jersey 07461
973-702-7399
Fax 973-702-8217
E-mail: aaq@warwick.net

The laboratory used for the analysis of asbestos bulk samples was EnviroTechniques, Inc., 22 California Avenue, Paterson, NJ 07503 *(ELAP No. 11043, NYLAP ID No. 200024-0)* analyzed the samples as per EPA/600/R-93/116 and ELAP Analysis protocols 198.1/198.4 for New York samples.

Results indicate that of the 25 samples submitted, seven samples contain asbestos greater than 1 percent by weight; thus, they are considered asbestos by definition. The following materials tested positive for asbestos content: *a portion of the exterior house siding, floor tiles, pipe insulation, pipe fitting material, hot water heater gasketing, boiler insulation, and linoleum.*

The following are quantities of asbestos located within the location:

LOCATION	FRIABLE/ NONFRIABLE	ASBESTOS TYPE	AMOUNT
Exterior house/southside	Nonfriable	Trancite siding	600 sq. ft
Rear bathroom storage area	Nonfriable	Red 9"x9" floor tile	20 sq. ft
Basement crawl space	Friable	Pipe insulation	250 linear ft
Basement crawl space	Friable	Pipe fittings	33 fittings - 2 1/2"
Basement hot water heater	Friable	Gasket material	1 sq. ft.
Basement boiler	Friable	Boiler insulation	100 sq. ft.
Storage shop area	Friable	Linoleum & backing	300 sq. ft.

- ***Friable****: material that can be reduced to powder by hand pressure i.e. pipe insulation, boiler insulation.*

- ***Nonfriable****: material that cannot be reduced to a powder by hand pressure i.e. floor tiles.*

As part of the survey, a lead based paint screening was conducted in order to test the major painted surfaces for lead content. The paint was sampled from the basement wall, exterior window, interior pool store wall, storage area floor, exterior siding, pool office ceiling, and chemical storage shed.

A total of seven paint chips were taken and submitted to Schneider Laboratories, Inc., 2512 West Cary Street, Richmond, VA. The samples were analyzed by EPA Method SW846-6010. Lead based paint is defined by containing lead content greater than .5 percent by weight.

The following surfaces were found to contain lead greater than .5 percent:

LOCATION	SURFACE	LEAD CONTENT % BY WEIGHT
Basement staircase	Wall paint (brown)	17.717
Exterior window-entrance door	Window paint (white)	14.325
Store register area	Wall paint (white)	16.809
Office	Ceiling (yellow)	30.242

If the building that was surveyed is scheduled for demolition, all the found asbestos containing materials must be removed and disposed of as per New York State Industrial Code 56, OSHA 1926.1101, and EPA NESHAPS. The lead based paint is not required to be abated, but it must be properly disposed of based on TCLP results for water protection; and the demolition workers must satisfy OSHA Lead In Construction Standard 1926.62.

- *It is important to note that the second and third floors of the main building were not accessible and should be surveyed for asbestos containing materials prior to demolition work.*

Attached for your review are the Certificates of Analysis results for both the lead and asbestos samples. If I can be of further assistance, do not hesitate to contact me.

Sincerely,

ABSOLUTE AIR QUALITY, INC.

Scott Higgins
President

SH:sch

Enclosure

SCHNEIDER LABORATORIES

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-353-6928

Excellence in Service and Technology

AIHA 8936, ELLAP 8936, NVLAP 1150, NYELAP 11413, CAELAP 2078

LABORATORY ANALYSIS REPORT

Lead Analysis by EPA 3050/7420 Method

ACCOUNT #:	1499-98-13	**DATE COLLECTED:**	10/21/98
CLIENT:	ABSOLUTE AIR QUALITY	**DATE RECEIVED:**	10/26/98
ADDRESS:	209 OVERLOOK DRIVE	**DATE ANALYZED:**	10/30/98
	SUSSEX, NJ 07461	**DATE REPORTED:**	10/30/98
PO NO.:	Verbal		
PROJECT NAME:	Westbury LI		
PROJECT NO.:	099		
JOB LOCATION:	117 Post ave	**SAMPLE TYPE:**	PAINT

SLI Sample No.	Client Sample No.	Sample Description	Sample Wt (mg)	Dilution Factor	Total Lead (µg)*	Lead Conc (% by wt)
1345975	ASH-10-21-01	Bsmnt Stair Case Wl	587	200	103,999.3	17.717
1345976	ASH-10-21-02	Store Entr Ext Win	522	100	74,776.8	14.325
1345977	ASH-10-21-03	Store Register Area	630	200	105,897.4	16.809
1345978	ASH-10-21-04	Storage Garage Fl	574	1	989.8	0.172
1345979	ASH-10-21-05	St Side ext Siding	123	1	78.7	0.064
	Sample contains substrate which may affect the calculation of weight percent.					
1345980	ASH-10-21-06	Office Ceiling	778	1,000	235,281.9	30.242
1345981	ASH-10-21-07	Detach Chemical Shed	220	1	263.8	0.120
	QC - 7933	10.0 ppm Calibration Std			1,004.0	100.4%
	QC - 7933	200 µg spike			197.3	98.7%
	QC - 7933	5.0 ppm Calibration Std			515.3	103.1%
	QC - 7933	Blank			< 20.0	
	QC - 7933	NIST 1579 Standard			605.4	102.1%

ANALYST: DENNIS P. RODRIGUEZ

REVIEWED BY **James M. Vescio, Supervisor**

*Federal Lead Standard is 0.5% lead by weight. Minimum Reporting Limit: 20 µg Total Lead. Standard and spike values are reported as percent recovery for QC purposes. *For true values, assume two (2) significant figures. All testing is performed in strict accordance with Schneider Laboratories, Inc. protocol.*

Enviro Techniques, Inc. 22 California Avenue, Paterson, N.J. 07503 ■ (973) 684-0202

PLM Bulk Asbestos Report

Date Analyzed: 10/22/98

ELAP ID: 11043

Project #

NVLAP ID: 20002a-0

Client: **Absolute Air Quality, Inc.**
209 Overlook Drive
Sussex, NJ 07461

Re: **117 Post Avenue**
West Bury, Long Island

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-01	21752	No	

Location: Ground, To Right of Entrance from Parking Lot
Description: Window Glazing (Gray)
Asbestos Types:
Other Materials: 3% Cellulose, 97% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-02	21753	No	

Location: Roof, Equipment Storage Shed
Description: Roof Material (Black)
Asbestos Types:
Other Materials: 22% Cellulose, 78% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-03	21754	No	

Location: Roof, Main Building
Description: Roof Material (Black)
Asbestos Types:
Other Materials: 8% Cellulose, 92% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-04	21755	No	

Location: Roof, Rear-Attached Warehouse
Description: Roof Material (Black)
Asbestos Types:
Other Materials: 15% Cellulose, 85% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-05	21756	No	

Location: Roof, Rear-Attached Porch
Description: Roof Material (Black)
Asbestos Types:
Other Materials: 15% Cellulose, 85% Non-Fibrous

R Shanth Analyst

Laboratory Director

Note: NAD = No Asbestos Detected; NA = Not Analyzed

Bulk Asbestos Analysis per EPA/600/R-93/116, July 1993 and ELAP Analysis Protocols 198.1/198.4 for New York samples. Note: PLM is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos -containing in New York State (see also EPA Advisory for floor tile, FR 59, 146, 38570, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates only to the items tested.

Enviro Techniques, Inc. 22 California Avenue, Paterson, N.J. 07503 ■ (973) 684-0202

PLM Bulk Asbestos Report

Date Analyzed: 10/22/98

ELAP ID: 11043
NVLAP ID: 200024-0

Project #
Client: **Absolute Air Quality, Inc.**
209 Overlook Drive
Sussex, NJ 07461
Re: **117 Post Avenue**
West Bury, Long Island

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-06	21757	Yes	15%

Location: 2nd Floor, South Side above Porch
Description: Siding House (Gray)
Asbestos Types: 15% Chrysotile
Other Materials: 10% Cellulose, 75% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-07	21758	Yes	3%

Location: Ground Floor, South West Side/Rear Bathroom Storage Room
Description: Red 9" x 9" Floor Tile (Brown)
Asbestos Types: 3% Chrysotile
Other Materials: 97% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-07A	21758A	No	

Location: Ground Floor, South West Side/Rear Bathroom Storage Room
Description: Mastic with Red 9" x 9" Floor Tile (Brown)
Asbestos Types:
Other Materials: 5% Cellulose, 95% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-08	21759	Yes	25%

Location: Basement, 5' from Stairs from 2 1/2 Steam Pipe
Description: Pipe Insulation (Gray)
Asbestos Types: 25% Chrysotile
Other Materials: 15% Cellulose, 85% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-09	21760	Yes	20%

Location: Basement, from Exterior Surface of Brick by Boiler
Description: Pipe Insulation (Gray)
Asbestos Types: 20% Chrysotile
Other Materials: 80% Non-Fibrous

Analyst

Laboratory Director

Note: NAD = No Asbestos Detected; NA = Not Analyzed

Bulk Asbestos Analysis per EPA/600/R-93/116, July 1993 and ELAP Analysis Protocols 198.1/198.4 for New York samples; Note: PLM is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos -containing in New York State (see also EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates only to the items tested.

Enviro Techniques, Inc. 22 California Avenue, Paterson, N.J. 07503 ■ (973) 684-0202

PLM Bulk Asbestos Report

Date Analyzed: 10/22/98 **ELAP ID: 11043**

Project # **NVLAP ID: 200024-0**

Client: **Absolute Air Quality, Inc.**
209 Overlook Drive
Sussex, NJ 07461

Re: **117 Post Avenue**
West Bury, Long Island

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-10	21761	No	

Location: Basement, from Brick by Boiler
Description: Boiler Flue Packing (Gray)
Asbestos Types:
Other Materials: 10% Cellulose, 75% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-11	21762	Yes	35%

Location: Basement, from Hot Water Heater
Description: Gasket Material (Gray)
Asbestos Types: 35% Chrysotile
Other Materials: 15% Cellulose, 50% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-12	21763	Yes	12%

Location: Basement, From Exterior Surface of Boiler
Description: Boiler Insulation (Gray)
Asbestos Types: 12% Chrysotile
Other Materials: 20% Cellulose. 68% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-13	21764	No	

Location: Basement, From Under Side of Stairs
Description: Wall Plaster Skin Coat (White)
Asbestos Types:
Other Materials: 2% Cellulose, 98% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-14	21765	No	

Location: Basement, From Under Side of Stairs
Description: Wall Plaster Brown Coat (Brown)
Asbestos Types:
Other Materials: 5% Cellulose. 95 % Non-Fibrous

R.Skarstis ____ Analyst   [signature] ____ Laboratory Director

Note: NAD = No Asbestos Detected; NA = Not Analyzed

Bulk Asbestos Analysis per EPA/600/R-93/116, July 1993 and ELAP Analysis Protocols 198.1/198.4 for New York samples; Note. PLM is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos -containing in New York State (see also EPA Advisory for floor tile, FR 59. 146, 38970. 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates only to the items tested.

Enviro Techniques, Inc. 22 California Avenue, Paterson, N.J. 07503 ■ (973) 684-0202

PLM Bulk Asbestos Report

Date Analyzed: 10/22/98

ELAP ID: 11043

NVLAP ID: 200024-0

Project #

Client: Absolute Air Quality, Inc.
209 Overlook Drive
Sussex, NJ 07461

Re: 117 Post Avenue
West Bury, Long Island

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-15	21766	No	

Location: 1st Floor, Above Door to Work Shop
Description: Wall Plaster Skin Coat (White)
Asbestos Types:
Other Materials: 100% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-16	21767	No	

Location: 1st Floor, Above Door to Work Shop
Description: Wall Plaster Brown Coat (White)
Asbestos Types:
Other Materials: 100% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-17	21768	No	

Location: 1st Floor, Office Area
Description: Wall Material (White)
Asbestos Types:
Other Materials: 3% Cellulose, 97% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-18	21769	No	

Location: 1st Floor, Open Show Room Area
Description: 2'x4' White Ceiling Tile (Gray)
Asbestos Types:
Other Materials: 45% Cellulose, 55% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-19	21770	No	

Location: 1st Floor, Shop Area
Description: 1'x1' White Ceiling Glue (Yellowish Brown)
Asbestos Types:
Other Materials: 60% Cellulose, 40% Non-Fibrous

Analyst

Laboratory Director

Note: NAD = No Asbestos Detected; NA = Not Analyzed

Bulk Asbestos Analysis per EPA 600/R-93/116, July 1993 and ELAP Analysis Protocols 198.1/198.4 for New York samples; Note: PLM is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos -containing in New York State (see also EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates only to the items tested.

Enviro Techniques, Inc. 22 California Avenue, Paterson, N.J. 07503 ■ (973) 684-0202

PLM Bulk Asbestos Report

Date Analyzed: 10/22/98

ELAP ID: 11043

Project #

NVLAP ID: 200024-0

Client: **Absolute Air Quality, Inc.**
209 Overlook Drive
Sussex, NJ 07461

Re: **117 Post Avenue**
West Bury, Long Island

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-20	21771	No	

Location: 1st Floor, Register Area
Description: 1'x1' White Ceiling Tile Glue (Yellowish Brown)
Asbestos Types:
Other Materials: 60% Cellulose, 40% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-21	21772	Yes	35%

Location: 1st Floor, Shop Area
Description: Green Linoleum Floor Material
Asbestos Types: 35% Chrysotile
Other Materials: 65% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-22	21773	No	

Location: 1st Floor, Show Room beneath Carpet
Description: 1'x1' White Floor Tiles (Brown)
Asbestos Types:
Other Materials: 5% Cellulose, 95% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-23	21774	No	

Location: 1st Floor, Shop Area
Description: 1'x1' White Ceiling Tile (Brown)
Asbestos Types:
Other Materials: 50% Cellulose, 50% Non-Fibrous

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-24	21775	No	

Location: 1st Floor, Attached Warehouse
Description: Ceiling Material (White)
Asbestos Types:
Other Materials: 3% Cellulose, 97% Non-Fibrous

Analyst

Laboratory Director

Note: NAD = No Asbestos Detected; NA = Not Analyzed

Bulk Asbestos Analysis per EPA/600/R-93/116, July 1993 and ELAP Analysis Protocols 198.1/198.4 for New York samples; Note: PLM is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos -containing in New York State (see also EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirement: mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates only to the items tested

Enviro Techniques, Inc. 22 California Avenue, Paterson, N.J. 07503 ■ (973) 684-0202

PLM Bulk Asbestos Report

Date Analyzed: 10/22/97

ELAP ID: 11043

Project #

NVLAP ID: 200024-0

Client: **Absolute Air Quality, Inc.**
209 Overlook Drive
Sussex, New Jersey 07461

Re: **117 Post Avenue**
West Bury, Long Island

Sample ID	Lab ID	Asbestos Present	Total % Asbestos
ASH-10-21-25	21776	No	

Location: 1st Floor. Attached Warehouse
Description: Ceiling Plaster (White)
Asbestos Types:
Other Materials: 5% Cellulose, 95% Non-Fibrous

Analyst

Laboratory Director

Note: NAD = No Asbestos Detected; NA = Not Analyzed

Bulk Asbestos Analysis per EPA/600/R-93/116, July 1993 and ELAP Analysis Protocols 198.1/198.4 for New York samples: Note: PLM is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos -containing in New York State (see also EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates only to the items tested.

APPENDIX B

Leaching Pool Sampling
Analytical Results

ROUX CHAIN OF CUSTODY

№ 04493 Y

ROUX ASSOCIATES, INC.
Environmental Consulting & Management
1377 MOTOR PARKWAY
ISLANDIA, NEW YORK 11788
(516) 232-2600 FAX (516) 232-9898

ANALYSES — PAGE 1 OF 1

PROJECT NAME	PROJECT NUMBER
117 Post Ave.	

PROJECT LOCATION: 117 Post Ave. Leach Pool

PROJECT MANAGER	SAMPLER(S)
Jeff Makowski	D. Gorelick

	SAMPLE DESIGNATION / LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	TOTAL VOC 82.6B	TOTAL SVOC 82.7D	TOTAL RCRA METALS + CLPSOW			TOTAL BOTTLES	NOTES
											9810-606
1	LP-1T	10/23/98	1500	S	X	X	X			4	4802
2	LP-2B	10/23/98	1530	S	X	X	X			4	↓

All Samples Received
Temp 3.0 °C Cool (Yes) No
Samples Intact (Yes) No
Properly Preserved (Yes) No

RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
[signature]	ROUX				[signature]		10/24	10:30am	(Y) OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
FedEx		10/24/98	1030	(Y) OR N	[signature]		10/24/98	1030	(Y) OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N

DELIVERY METHOD: Fed Ex

ANALYTICAL LABORATORY: Analab

COMMENTS: 10 day TURN CALIFORNIA FAMILIES

COC.DOT 12/11/98

TCL/HSL Base/Neutral Extractable Organics - Non-Aqueous Matrix

CLIENT : ROUX ASSOCIATES INC
SAMPLE ID: LP-1T
PROJECT : 117 POST AVE.
SAMPLE VOL. : 30G
DATA FILE : J102706.D
EXTRACT/DATE : 10/27/98
NJDEP LAB ID : 12531

LAB SAMPLE ID : 98-10-606-1
DATE SAMPLED: 10/23/98
DATE RECEIVED: 10/24/98
DATE ANALYZED: 10/27/98
DIL. FACT : .03
ANALYST: BP

CAS #	COMPOUND	UG/KG	Q	MDL
62-75-9	N-NITROSODIMETHYLAMINE	U		400
62-53-3	ANILINE	U		400
111-44-4	BIS (2-CHLOROETHYL) ETHER	U		400
541-73-1	1,3-DICHLOROBENZENE	U		400
106-46-7	1,4-DICHLOROBENZENE	U		400
95-50-1	1,2-DICHLOROBENZENE	U		400
100-51-6	BENZYL ALCOHOL	U		400
108-60-1	2,2'-OXY BIS(1-CHLOROPROPANE)	U		400
67-72-1	HEXACHLOROETHANE	U		400
621-64-7	N-NITROSODIPROPYL AMINE	U		400
98-95-3	NITROBENZENE	U		400
78-59-1	ISOPHORONE	U		400
111-91-1	BIS (2-CHLOROETHOXY) METHANE	U		400
120-82-1	1,2,4-TRICHLOROBENZENE	U		400
91-20-3	NAPHTHALENE	U		400
65-85-0	BENZOIC ACID	U		2000
106-47-8	4-CHLOROANILINE	U		400
87-68-3	HEXACHLOROBUTADIENE	U		400
91-57-6	2-METHYLNAPHTHALENE	U		400
77-47-4	HEXACHLOROCYCLOPENTADIENE	U		400
91-58-7	2-CHLORONAPHTHALENE	U		400
88-74-4	2-NITROANILINE	U		2000
208-96-8	ACENAPHTHYLENE	U		400
131-11-3	DIMETHYL PHTHALATE	U		400
606-20-2	2,6-DINITROTOLUENE	U		400
83-32-9	ACENAPHTHENE	U		400
99-09-2	3-NITROANILINE	U		2000
132-64-9	DIBENZOFURAN	U		400
121-14-2	2,4-DINITROTOLUENE	U		400
86-73-7	FLUORENE	U		400
84-66-2	DIETHYL PHTHALATE	U		400

PAGE 1 OF 2

QUALIFIERS

J Indicates detected below MDL, Estimated Value
U Indicates compound not detected
B Indicates compound also present in blank
E Exceeds Calibration Range, Estimated Value

TCL/HSL Base/Neutral Extractable Organics - Non-Aqueous Matrix

CLIENT :	ROUX ASSOCIATES INC	LAB SAMPLE ID :	98-10-606-1
SAMPLE ID:	LP-1T	DATE SAMPLED:	10/23/98
PROJECT :	117 POST AVE.	DATE RECEIVED:	10/24/98
SAMPLE VOL. :	30G	DATE ANALYZED:	10/27/98
DATA FILE :	J102706.D	DIL. FACT :	.03
EXTRACT/DATE :	10/27/98	ANALYST:	BP
NJDEP LAB ID :	12537		

CAS #	COMPOUND	UG/KG	Q	MDL
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	U		400
100-01-6	4-NITROANILINE	U		2000
86-30-6	N-NITROSODIPHENYL AMINE	U		400
101-55-3	4-BROMOPHENYL PHENYL ETHER	U		400
118-74-1	HEXACHLOROBENZENE	U		400
85-01-8	PHENANTHRENE	U		400
120-12-7	ANTHRACENE	U		400
86-74-8	CARBAZOLE	U		400
84-74-2	DI-N-BUTYL PHTHALATE	U		400
206-44-0	FLUORANTHENE	U		400
92-87-5	BENZIDINE	U		2000
129-00-0	PYRENE	U		400
85-68-7	BUTYLBENZYL PHTHALATE	U		400
56-55-3	BENZO (A) ANTHRACENE	U		400
91-94-1	3,3'-DICHLOROBENZIDINE	U		2000
218-01-9	CHRYSENE	U		400
117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	U		400
117-84-0	DI-N-OCTYL PHTHALATE	U		400
205-99-2	BENZO (B) FLUORANTHENE	U		400
207-08-9	BENZO (K) FLUORANTHENE	U		400
50-32-8	BENZO (A) PYRENE	U		400
193-39-5	INDENO (1,2,3-CD) PYRENE	U		400
53-70-3	DIBENZO (A,H) ANTHRACENE	U		400
191-24-2	BENZO (GHI) PERYLENE	U		400

QUALIFIERS

J Indicates detected below MDL, Estimated Value
U Indicates compound not detected
B Indicates compound also present in blank
E Exceeds Calibration Range, Estimated Value

TCL/HSL Acid Extractable Organics - Non-Aqueous Matrix

CLIENT :	ROUX ASSOCIATES INC	LAB SAMPLE ID :	98-10-606-1
SAMPLE ID:	LP-1T	DATE SAMPLED:	10/23/98
PROJECT :	117 POST AVE.	DATE RECEIVED:	10/24/98
SAMPLE VOL. :	30G	DATE ANALYZED:	10/27/98
DATA FILE :	J102706.D	DIL. FACT :	.03
EXTRACT/DATE :	10/27/98	ANALYST:	SP
NJDEP LAB ID :	12531		

CAS #	COMPOUND	UG/KG	Q	MDL
108-95-2	PHENOL	U		400
88-75-5	2-NITROPHENOL	U		400
105-67-9	2,4-DIMETHYLPHENOL	U		400
95-57-8	2-CHLOROPHENOL	U		400
120-83-2	2,4,-DICHLOROPHENOL	U		400
59-50-7	P-CHLORO-M-CRESOL	U		400
88-06-2	2,4,6-TRICHLOROPHENOL	U		400
51-28-5	2,4,-DINITROPHENOL	U		2000
534-52-1	4,6,-DINITRO-2-METHYLPHENOL	U		2000
100-02-7	4-NITROPHENOL	U		2000
87-86-5	PENTACHLOROPHENOL	U		2000
95-95-4	2,4,5-TRICHLOROPHENOL	U		400
95-48-7	2-METHYLPHENOL	U		400
106-44-5	4-METHYLPHENOL	U		400

QUALIFIERS

J Indicates detected below MDL, Estimated Value
U Indicates compound not detected
B Indicates compound also present in blank
E Exceeds Calibration Range, Estimated Value

TCL/HSL Base/Neutral Extractable Organics - Non-Aqueous Matrix

CLIENT : ROUX ASSOCIATES INC
SAMPLE ID: LP-2B
PROJECT : 117 POST AVE.
SAMPLE VOL. : 30G
DATA FILE : J102707.D
EXTRACT/DATE : 10/27/98
NJDEP LAB ID : 12531

LAB SAMPLE ID : 98-10-606-2
DATE SAMPLED: 10/23/98
DATE RECEIVED: 10/24/98
DATE ANALYZED: 10/27/98
DIL. FACT : .03
ANALYST: SP

CAS #	COMPOUND	UG/KG	Q	MDL
62-75-9	N-NITROSODIMETHYLAMINE	U		440
62-53-3	ANILINE	U		440
111-44-4	BIS (2-CHLOROETHYL) ETHER	U		440
541-73-1	1,3-DICHLOROBENZENE	U		440
106-46-7	1,4-DICHLOROBENZENE	U		440
95-50-1	1,2-DICHLOROBENZENE	U		440
100-51-6	BENZYL ALCOHOL	U		440
108-60-1	2,2'-OXY BIS(1-CHLOROPROPANE)	U		440
67-72-1	HEXACHLOROETHANE	U		440
621-64-7	N-NITROSODIPROPYL AMINE	U		440
98-95-3	NITROBENZENE	U		440
78-59-1	ISOPHORONE	U		440
111-91-1	BIS (2-CHLOROETHOXY) METHANE	U		440
120-82-1	1,2,4-TRICHLOROBENZENE	U		440
91-20-3	NAPHTHALENE	U		440
65-85-0	BENZOIC ACID	U		2200
106-47-8	4-CHLOROANILINE	U		440
87-68-3	HEXACHLOROBUTADIENE	U		440
91-57-6	2-METHYLNAPHTHALENE	U		440
77-47-4	HEXACHLOROCYCLOPENTADIENE	U		440
91-58-7	2-CHLORONAPHTHALENE	U		440
88-74-4	2-NITROANILINE	U		2200
208-96-8	ACENAPHTHYLENE	U		440
131-11-3	DIMETHYL PHTHALATE	U		440
606-20-2	2,6-DINITROTOLUENE	U		440
83-32-9	ACENAPHTHENE	U		440
99-09-2	3-NITROANILINE	U		2200
132-64-9	DIBENZOFURAN	U		440
121-14-2	2,4-DINITROTOLUENE	U		440
86-73-7	FLUORENE	U		440
84-66-2	DIETHYL PHTHALATE	U		440

QUALIFIERS

J Indicates detected below MDL, Estimated Value
U Indicates compound not detected
B Indicates compound also present in blank
E Exceeds Calibration Range, Estimated Value

TCL/HSL Base/Neutral Extractable Organics - Non-Aqueous Matrix

CLIENT :	ROUX ASSOCIATES INC	LAB SAMPLE ID :	98-10-606-2
SAMPLE ID:	LP-2B	DATE SAMPLED:	10/23/98
PROJECT :	17 POST AVE.	DATE RECEIVED:	10/24/98
SAMPLE VOL. :	30G	DATE ANALYZED:	10/27/98
DATA FILE :	J102707.D	DIL. FACT :	.03
EXTRACT/DATE :	10/27/98	ANALYST:	BP
NJDEP LAB ID :	12531		

CAS #	COMPOUND	UG/KG	Q	MDL
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	U		440
100-01-6	4-NITROANILINE	U		2200
86-30-6	N-NITROSODIPHENYL AMINE	U		440
101-55-3	4-BROMOPHENYL PHENYL ETHER	U		440
118-74-1	HEXACHLOROBENZENE	U		440
85-01-8	PHENANTHRENE	U		440
120-12-7	ANTHRACENE	U		440
86-74-8	CARBAZOLE	U		440
84-74-2	DI-N-BUTYL PHTHALATE	U		440
206-44-0	FLUORANTHENE	U		440
92-87-5	BENZIDINE	U		2200
129-00-0	PYRENE	U		440
85-68-7	BUTYLBENZYL PHTHALATE	U		440
56-55-3	BENZO (A) ANTHRACENE	U		440
91-94-1	3,3'-DICHLOROBENZIDINE	U		2200
218-01-9	CHRYSENE	U		440
117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	U		440
117-84-0	DI-N-OCTYL PHTHALATE	U		440
205-99-2	BENZO (B) FLUORANTHENE	U		440
207-08-9	BENZO (K) FLUORANTHENE	U		440
50-32-8	BENZO (A) PYRENE	U		440
193-39-5	INDENO (1,2,3-CD) PYRENE	U		440
53-70-3	DIBENZO (A,H) ANTHRACENE	U		440
191-24-2	BENZO (GHI) PERYLENE	U		440

QUALIFIERS

J Indicates detected below MDL, Estimated Value
U Indicates compound not detected
B Indicates compound also present in blank
E Exceeds Calibration Range, Estimated Value

TCL/HSL Acid Extractable Organics - Non-Aqueous Matrix

CLIENT :	ROUX ASSOCIATES INC	LAB SAMPLE ID :	98-10-606-2
SAMPLE ID:	LP-2B	DATE SAMPLED:	10/23/98
PROJECT :	117 POST AVE.	DATE RECEIVED:	10/24/98
SAMPLE VOL. :	30G	DATE ANALYZED:	10/27/98
DATA FILE :	J102707.D	DIL. FACT :	.03
EXTRACT/DATE :	10/27/98	ANALYST:	BP
NJDEP LAB ID :	12531		

CAS #	COMPOUND	UG/KG	Q	MDL
108-95-2	PHENOL	U		440
88-75-5	2-NITROPHENOL	U		440
105-67-9	2,4-DIMETHYLPHENOL	U		440
95-57-8	2-CHLOROPHENOL	U		440
120-83-2	2,4,-DICHLOROPHENOL	U		440
59-50-7	P-CHLORO-M-CRESOL	U		440
88-06-2	2,4,6-TRICHLOROPHENOL	U		440
51-28-5	2,4,-DINITROPHENOL	U		2200
534-52-1	4,6,-DINITRO-2-METHYLPHENOL	U		2200
100-02-7	4-NITROPHENOL	U		2200
87-86-5	PENTACHLOROPHENOL	U		2200
95-95-4	2,4,5-TRICHLOROPHENOL	U		440
95-48-7	2-METHYLPHENOL	U		440
106-44-5	4-METHYLPHENOL	U		440

QUALIFIERS

J Indicates detected below MDL, Estimated Value
U Indicates compound not detected
B Indicates compound also present in blank
E Exceeds Calibration Range, Estimated Value

ANALYTICAL REPORT

TOTAL RCRA METALS

CLIENT: ROUX ASSOCIATES INC
CLIENT PROJECT: 117 POST AVE.
CLIENT ID: LP-1T
REPORT DATE : NOV. 2 1998
PROJECT RECEIPT DATE: 10/24/98

LAB ID: 98-10-0606-001
ANALYST: DR/ED
ANALYSIS DATE:10/29,30/98

PARAMETER	RESULTS (Mg/Kg)	MDL (Mg/Kg)
Arsenic	3.4	0.8
Barium	<100.0	100.0
Cadmium	<2.5	2.5
Chromium	<10.0	10.0
Lead	32.1	25.0
Mercury	<0.25	0.25
Selenium	<1.0	1.0
Silver	<5.0	5.0

COMMENTS:

MDL = METHOD DETECTION LIMIT
< = LESS THAN
S = RESULTS BY METHOD OF ADDITION PROCEDURE
+ = CORRELATION COEFFICIENT FOR METHOD OF ADDITION IS LESS THAN 0.995 AFTER REPEATED ONCE.

ME206A

ANALYTICAL REPORT

TOTAL RCRA METALS

CLIENT: ROUX ASSOCIATES INC
CLIENT PROJECT: 117 POST AVE.
CLIENT ID: LP-2B
REPORT DATE : NOV. 2 1998
PROJECT RECEIPT DATE: 10/24/98

LAB ID: 98-10-0606-002
ANALYST: DR/ED
ANALYSIS DATE: 10/29,30/98

PARAMETER	RESULTS (Mg/Kg)	MDL (Mg/Kg)
Arsenic	1.7	0.8
Barium	<100.0	100.0
Cadmium	<2.5	2.5
Chromium	<10.0	10.0
Lead	<25.0	25.0
Mercury	<0.25	0.25
Selenium	<1.0	1.0
Silver	<5.0	5.0

COMMENTS:

MDL = METHOD DETECTION LIMIT
< = LESS THAN
S = RESULTS BY METHOD OF ADDITION PROCEDURE
+ = CORRELATION COEFFICIENT FOR METHOD OF ADDITION IS LESS THAN 0.995 AFTER REPEATED ONCE.

ME206A

Method 8260 Volatile Organics By GC/MS

CLIENT : ROUX ASSOCIATES INC
SAMPLE ID: LP-1T
PROJECT: 117 POST AVE.
SAMPLE VOL. : 5.0GM
DATA FILE : >D3974
EXTRACT/DATE : N/A
NJDEP LAB ID : 12531

LAB SAMPLE ID : 98-10-606-01
DATE SAMPLED: 10/23/98
DATE RECEIVED: 10/24/98
DATE ANALYZED: 10/29/98
DIL. FACT : 1.00
ANALYST: SP/MRP

CAS #	COMPOUND	UG/KG	Q	MDL
71-43-2	BENZENE	U		6
108-86-1	BROMOBENZENE	U		6
74-97-5	BROMOCHLOROMETHANE	U		6
75-27-4	BROMODICHLOROMETHANE	U		6
75-25-2	BROMOFORM	U		6
74-83-9	BROMOMETHANE	U		6
104-51-8	N-BUTYLBENZENE	U		6
135-98-8	SEC-BUTYLBENZENE	U		6
98-06-6	TERT-BUTYLBENZENE	U		6
56-23-5	CARBON TETRACHLORIDE	U		6
108-90-7	CHLOROBENZENE	U		6
124-48-1	DIBROMOCHLOROMETHANE	U		6
74-00-3	CHLOROETHANE	U		6
67-66-3	CHLOROFORM	U		6
74-87-3	CHLOROMETHANE	U		6
95-49-8	2-CHLOROTOLUENE	U		6
106-43-4	4-CHLOROTOLUENE	U		6
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	U		6
106-93-4	1,2-DIBROMOETHANE	U		6
74-95-3	DIBROMOMETHANE	U		6
95-50-1	1,2-DICHLOROBENZENE	U		6
541-73-1	1,3-DICHLOROBENZENE	U		6
106-46-7	1,4-DICHLOROBENZENE	U		6
75-71-8	DICHLORODIFLUOROMETHANE	U		6
75-34-3	1,1-DICHLOROETHANE	U		6
107-06-2	1,2-DICHLOROETHANE	U		6
75-35-4	1,1-DICHLOROETHENE	U		6
156-59-2	CIS-1,2-DICHLOROETHENE	U		6
156-60-5	TRANS-1,2-DICHLOROETHENE	U		6
78-87-5	1,2-DICHLOROPROPANE	U		6
142-28-9	1,3-DICHLOROPROPANE	U		6
594-20-7	2,2-DICHLOROPROPANE	U		6
563-58-6	1,1-DICHLOROPROPENE	U		6

Method 8260 Volatile Organics By GC/MS

CLIENT :	ROUX ASSOCIATES INC	LAB SAMPLE ID :	98-10-606-01
SAMPLE ID:	LP-1T	DATE SAMPLED:	10/23/98
PROJECT:	117 POST AVE.	DATE RECEIVED:	10/24/98
SAMPLE VOL. :	5.0GM	DATE ANALYZED:	10/29/98
DATA FILE :	>D3974	DIL. FACT :	1.00
EXTRACT/DATE :	N/A	ANALYST:	SP/MRP
NJDEP LAB ID :	12531		

CAS #	COMPOUND	UG/KG	Q	MDL
100-41-4	ETHYLBENZENE	U		6
87-68-3	HEXACHLOROBUTADIENE	U		6
98-82-8	ISOPROPYLBENZENE	U		6
99-87-6	P-ISOPROPYLTOLUENE	U		6
75-09-2	METHYLENE CHLORIDE	9.6		6
91-20-3	NAPHTHALENE	U		6
103-65-1	N-PROPYLBENZENE	U		6
100-42-5	STYRENE	U		6
630-20-6	1,1,1,2-TETRACHLOROETHANE	U		6
79-34-5	1,1,2,2-TETRACHLOROETHANE	U		6
127-18-4	TETRACHLOROETHENE	U		6
108-88-3	TOLUENE	U		6
87-61-6	1,2,3-TRICHLOROBENZENE	U		6
120-82-1	1,2,4-TRICHLOROBENZENE	U		6
71-55-6	1,1,1-TRICHLOROETHANE	U		6
79-00-5	1,1,2-TRICHLOROETHANE	U		6
79-01-6	TRICHLOROETHENE	U		6
75-69-4	TRICHLOROFLUOROMETHANE	U		6
96-18-4	1,2,3-TRICHLOROPROPANE	U		6
95-63-6	1,2,4-TRIMETHYLBENZENE	U		6
108-67-8	1,3,5-TRIMETHYLBENZENE	U		6
75-01-4	VINYL CHLORIDE	U		6
95-47-6	O-XYLENE	U		6
108-38-3	M/P-XYLENE	U		6
10061-01-5	CIS-1,3-DICHLOROPROPENE	U		6
10061-02-6	TRANS-1,3-DICHLOROPROPENE	U		6
1634-04-4	METHYL TERT-BUTYL ETHER	U		6
78-93-3	2-BUTANONE	U		12
67-64-1	ACETONE	U		12
108-10-1	4-METHYL-2-PENTANONE	U		12
591-78-6	2-HEXANONE	U		12
75-15-0	CARBON DISULFIDE	U		12
110-75-8	2-CHLORO ETHYL VINYL ETHER	U		6
108-05-4	VINYL ACETATE	U		6

QUALIFIERS

J Indicates detected below MDL, Estimated Value
U Indicates compound not detected
B Indicates compound also present in blank
E Exceeds Calibration Range, Estimated Value

Method 8260 Volatile Organics By GC/MS

CLIENT : ROUX ASSOCIATES INC
SAMPLE ID: LP-2B
PROJECT: 117 POST AVE.
SAMPLE VOL. : 5.0GM
DATA FILE : >D3975
EXTRACT/DATE : N/A
NJDEP LAB ID : 12531

LAB SAMPLE ID : 98-10-606-02
DATE SAMPLED: 10/23/98
DATE RECEIVED: 10/24/98
DATE ANALYZED: 10/29/98
DIL. FACT : 1.00
ANALYST: SP/MRP

CAS #	COMPOUND	UG/KG	Q	MDL
71-43-2	BENZENE	U		7
108-86-1	BROMOBENZENE	U		7
74-97-5	BROMOCHLOROMETHANE	U		7
75-27-4	BROMODICHLOROMETHANE	U		7
75-25-2	BROMOFORM	U		7
74-83-9	BROMOMETHANE	U		7
104-51-8	N-BUTYLBENZENE	U		7
135-98-8	SEC-BUTYLBENZENE	U		7
98-06-6	TERT-BUTYLBENZENE	U		7
56-23-5	CARBON TETRACHLORIDE	U		7
108-90-7	CHLOROBENZENE	U		7
124-48-1	DIBROMOCHLOROMETHANE	U		7
74-00-3	CHLOROETHANE	U		7
67-66-3	CHLOROFORM	U		7
74-87-3	CHLOROMETHANE	U		7
95-49-8	2-CHLOROTOLUENE	U		7
106-43-4	4-CHLOROTOLUENE	U		7
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	U		7
106-93-4	1,2-DIBROMOETHANE	U		7
74-95-3	DIBROMOMETHANE	U		7
95-50-1	1,2-DICHLOROBENZENE	U		7
541-73-1	1,3-DICHLOROBENZENE	U		7
106-46-7	1,4-DICHLOROBENZENE	U		7
75-71-8	DICHLORODIFLUOROMETHANE	U		7
75-34-3	1,1-DICHLOROETHANE	U		7
107-06-2	1,2-DICHLOROETHANE	U		7
75-35-4	1,1-DICHLOROETHENE	U		7
156-59-2	CIS-1,2-DICHLOROETHENE	U		7
156-60-5	TRANS-1,2-DICHLOROETHENE	U		7
78-87-5	1,2-DICHLOROPROPANE	U		7
142-28-9	1,3-DICHLOROPROPANE	U		7
594-20-7	2,2-DICHLOROPROPANE	U		7
563-58-6	1,1-DICHLOROPROPENE	U		7

Method 8260 Volatile Organics By GC/MS

CLIENT :	ROUX ASSOCIATES INC	LAB SAMPLE ID :	98-10-606-02
SAMPLE ID:	LP-2B	DATE SAMPLED:	10/23/98
PROJECT:	117 POST AVE.	DATE RECEIVED:	10/24/98
SAMPLE VOL. :	5.0GM	DATE ANALYZED:	10/29/98
DATA FILE :	>D3975	DIL. FACT :	1.00
EXTRACT/DATE :	N/A	ANALYST:	SP7MRP
NJDEP LAB ID :	12531		

CAS #	COMPOUND	UG/KG	Q	MDL
100-41-4	ETHYLBENZENE	U		7
87-68-3	HEXACHLOROBUTADIENE	U		7
98-82-8	ISOPROPYLBENZENE	U		7
99-87-6	P-ISOPROPYLTOLUENE	U		7
75-09-2	METHYLENE CHLORIDE	U		7
91-20-3	NAPHTHALENE	U		7
103-65-1	N-PROPYLBENZENE	U		7
100-42-5	STYRENE	U		7
630-20-6	1,1,1,2-TETRACHLOROETHANE	U		7
79-34-5	1,1,2,2-TETRACHLOROETHANE	U		7
127-18-4	TETRACHLOROETHENE	U		7
108-88-3	TOLUENE	U		7
87-61-6	1,2,3-TRICHLOROBENZENE	U		7
120-82-1	1,2,4-TRICHLOROBENZENE	U		7
71-55-6	1,1,1-TRICHLOROETHANE	U		7
79-00-5	1,1,2-TRICHLOROETHANE	U		7
79-01-6	TRICHLOROETHENE	U		7
75-69-4	TRICHLOROFLUOROMETHANE	U		7
96-18-4	1,2,3-TRICHLOROPROPANE	U		7
95-63-6	1,2,4-TRIMETHYLBENZENE	U		7
108-67-8	1,3,5-TRIMETHYLBENZENE	U		7
75-01-4	VINYL CHLORIDE	U		7
95-47-6	O-XYLENE	U		7
108-38-3	M/P-XYLENE	U		7
10061-01-5	CIS-1,3-DICHLOROPROPENE	U		7
10061-02-6	TRANS-1,3-DICHLOROPROPENE	U		7
1634-04-4	METHYL TERT-BUTYL ETHER	U		7
78-93-3	2-BUTANONE	U		13
67-64-1	ACETONE	U		13
108-10-1	4-METHYL-2-PENTANONE	U		13
591-78-6	2-HEXANONE	U		13
75-15-0	CARBON DISULFIDE	U		13
110-75-8	2-CHLORO ETHYL VINYL ETHER	U		7
108-05-4	VINYL ACETATE	U		7

QUALIFIERS

J Indicates detected below MDL, Estimated Value
U Indicates compound not detected
B Indicates compound also present in blank
E Exceeds Calibration Range, Estimated Value

APPENDIX C

Soil Gas Survey
Analytical Results

Committed To *Your* Success

Severn Trent Laboratories
11 East Olive Road
Pensacola FL 32514

Tel: (850) 474-1001
Fax: (850) 474-4789

SIGNATURE PAGE

Reviewed by: _____
STL Project Manager

Client:	ROUX ASSOCIATES, INC. ISLANDIA, NEW YORK
Project Name:	N/S
Project Number:	50303Y02
Project Location:	N/S
Accession Number:	810555
Project Manager:	JEFF MAKOWSKI
Sampled By:	N/S

SEVERN TRENT LABORATORIES 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Analysis Report

Analysis: TO14

Accession:	810555
Client:	ROUX ASSOCIATES, INC.
Project Number:	50303Y02
Project Name:	N/S
Project Location:	N/S
Department:	ORGANIC/MS

SEVERN TRENT LABORATORIES 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession: 810555
Client: ROUX ASSOCIATES, INC.
Project Number: 50303Y02
Project Name: N/S
Project Location: N/S
Test: TO14
Analysis Method: TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method: N/A
Matrix: AIR
QC Level: I

Lab Id: 001
Client Sample Id: SG-11
Sample Date/Time: 29-OCT-98 1600
Received Date: 30-OCT-98

Batch: MAB144
Blank: A
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 02-NOV-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
ALPHA-CHLOROTOLUENE	MG/M3	ND	0.3	
BENZENE	MG/M3	ND	0.3	
BROMOMETHANE	MG/M3	ND	0.3	
CARBON TETRACHLORIDE	MG/M3	ND	0.3	
CHLOROBENZENE	MG/M3	ND	0.3	
CHLOROETHANE	MG/M3	ND	0.3	
CHLOROFORM	MG/M3	ND	0.3	
CHLOROMETHANE	MG/M3	ND	0.3	
CIS 1,2 DICHLOROETHYLENE	MG/M3	ND	0.3	
DICHLORODIFLUOROMETHANE	MG/M3	ND	0.3	
1,1-DICHLOROETHANE	MG/M3	ND	0.3	
1,2-DICHLOROETHANE	MG/M3	ND	0.3	
1,2-DICHLOROPROPANE	MG/M3	ND	0.3	
CIS-1,3-DICHLOROPROPENE	MG/M3	ND	0.3	
TRANS-1,3-DICHLOROPROPENE	MG/M3	ND	0.3	
DICHLOROTETRAFLUOROETHANE	MG/M3	ND	0.3	
ETHYL BENZENE	MG/M3	ND	0.3	
HEXACHLOROBUTADIENE	MG/M3	ND	0.3	
M-DICHLOROBENZENE	MG/M3	ND	0.3	
M,P-XYLENE	MG/M3	ND	0.3	
METHYLENE CHLORIDE	MG/M3	ND	0.7	
O-DICHLOROBENZENE	MG/M3	ND	0.3	
O-XYLENE	MG/M3	ND	0.3	
P-DICHLOROBENZENE	MG/M3	ND	0.3	
STYRENE	MG/M3	ND	0.3	
1,1,2,2-TETRACHLOROETHANE	MG/M3	ND	0.3	
TETRACHLOROETHYLENE	MG/M3	ND	0.3	
TOLUENE	MG/M3	ND	0.3	
1,1,2-TRICHLOROETHANE	MG/M3	ND	0.3	
TRICHLOROETHYLENE	MG/M3	ND	0.3	
TRICHLOROFLUOROMETHANE	MG/M3	ND	0.3	
VINYL CHLORIDE	MG/M3	ND	0.3	
1,2-DIBROMOETHANE (EDB)	MG/M3	ND	0.3	
1,2,4 TRICHLOROBENZENE	MG/M3	ND	0.3	
1,2,4-TRIMETHYLBENZENE	MG/M3	ND	0.3	
1,3,5-TRIMETHYLBENZENE	MG/M3	ND	0.3	
1,1-DICHLOROETHENE	MG/M3	ND	0.3	
1,1,1-TRICHLOROETHANE	MG/M3	ND	0.3	

SEVERN TRENT LABORATORIES 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession:	810555
Client:	ROUX ASSOCIATES, INC.
Project Number:	50303Y02
Project Name:	N/S
Project Location:	N/S
Test:	TO14
Analysis Method:	TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method:	N/A
Matrix:	AIR
QC Level:	I

Lab Id: 001 Sample Date/Time: 29-OCT-98 1600
Client Sample Id: SG-11 Received Date: 30-OCT-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TRICHLOROTRIFLUOROETHANE	MG/M3	ND	0.3	
4-ETHYLTOLUENE	MG/M3	ND	0.3	
BROMOFLUOROBENZENE	%REC/SURR	109	85-111	
1,2-DICHLOROETHANE-D4	%REC/SURR	97	85-115	
TOLUENE-D8	%REC/SURR	97	85-111	
ANALYST	INITIALS	BDH		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 810555
Client: ROUX ASSOCIATES, INC.
Project Number: 50303Y02
Project Name: N/S
Project Location: N/S
Test: TO14
Analysis Method: TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method: N/A
Matrix: AIR
QC Level: I

Lab Id: 002
Client Sample Id: SG-6

Sample Date/Time: 29-OCT-98 1310
Received Date: 30-OCT-98

Batch: MAB144
Blank: A

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 02-NOV-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
ALPHA-CHLOROTOLUENE	MG/M3	ND	0.3	
BENZENE	MG/M3	ND	0.3	
BROMOMETHANE	MG/M3	ND	0.3	
CARBON TETRACHLORIDE	MG/M3	ND	0.3	
CHLOROBENZENE	MG/M3	ND	0.3	
CHLOROETHANE	MG/M3	ND	0.3	
CHLOROFORM	MG/M3	ND	0.3	
CHLOROMETHANE	MG/M3	ND	0.3	
CIS 1,2 DICHLOROETHYLENE	MG/M3	ND	0.3	
DICHLORODIFLUOROMETHANE	MG/M3	ND	0.3	
1,1-DICHLOROETHANE	MG/M3	ND	0.3	
1,2-DICHLOROETHANE	MG/M3	ND	0.3	
1,2-DICHLOROPROPANE	MG/M3	ND	0.3	
CIS-1,3-DICHLOROPROPENE	MG/M3	ND	0.3	
TRANS-1,3-DICHLOROPROPENE	MG/M3	ND	0.3	
DICHLOROTETRAFLUOROETHANE	MG/M3	ND	0.3	
ETHYL BENZENE	MG/M3	ND	0.3	
HEXACHLOROBUTADIENE	MG/M3	ND	0.3	
M-DICHLOROBENZENE	MG/M3	ND	0.3	
M,P-XYLENE	MG/M3	ND	0.3	
METHYLENE CHLORIDE	MG/M3	ND	0.7	
O-DICHLOROBENZENE	MG/M3	ND	0.3	
O-XYLENE	MG/M3	ND	0.3	
P-DICHLOROBENZENE	MG/M3	ND	0.3	
STYRENE	MG/M3	ND	0.3	
1,1,2,2-TETRACHLOROETHANE	MG/M3	ND	0.3	
TETRACHLOROETHYLENE	MG/M3	ND	0.3	
TOLUENE	MG/M3	ND	0.3	
1,1,2-TRICHLOROETHANE	MG/M3	ND	0.3	
TRICHLOROETHYLENE	MG/M3	ND	0.3	
TRICHLOROFLUOROMETHANE	MG/M3	ND	0.3	
VINYL CHLORIDE	MG/M3	ND	0.3	
1,2-DIBROMOETHANE (EDB)	MG/M3	ND	0.3	
1,2,4 TRICHLOROBENZENE	MG/M3	ND	0.3	
1,2,4-TRIMETHYLBENZENE	MG/M3	ND	0.3	
1,3,5-TRIMETHYLBENZENE	MG/M3	ND	0.3	
1,1-DICHLOROETHENE	MG/M3	ND	0.3	
1,1,1-TRICHLOROETHANE	MG/M3	ND	0.3	

"FINAL REPORT FORMAT - SINGLE"

Accession:	810555
Client:	ROUX ASSOCIATES, INC.
Project Number:	50303Y02
Project Name:	N/S
Project Location:	N/S
Test:	TO14
Analysis Method:	TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method:	N/A
Matrix:	AIR
QC Level:	I

Lab Id: 002
Client Sample Id: SG-6

Sample Date/Time: 29-OCT-98 1310
Received Date: 30-OCT-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TRICHLOROTRIFLUOROETHANE	MG/M3	ND	0.3	
4-ETHYLTOLUENE	MG/M3	ND	0.3	
BROMOFLUOROBENZENE	%REC/SURR	108	85-111	
1,2-DICHLOROETHANE-D4	%REC/SURR	95	85-115	
TOLUENE-D8	%REC/SURR	96	85-111	
ANALYST	INITIALS	BDH		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 810555
Client: ROUX ASSOCIATES, INC.
Project Number: 50303Y02
Project Name: N/S
Project Location: N/S
Test: TO14
Analysis Method: TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method: N/A
Matrix: AIR
QC Level: I

Lab Id: 003 Sample Date/Time: 29-OCT-98 1120
Client Sample Id: SG-4 Received Date: 30-OCT-98

Batch: MAB144 Extraction Date: N/A
Blank: A Dry Weight %: N/A Analysis Date: 02-NOV-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
ALPHA-CHLOROTOLUENE	MG/M3	ND	0.3	
BENZENE	MG/M3	ND	0.3	
BROMOMETHANE	MG/M3	ND	0.3	
CARBON TETRACHLORIDE	MG/M3	ND	0.3	
CHLOROBENZENE	MG/M3	ND	0.3	
CHLOROETHANE	MG/M3	ND	0.3	
CHLOROFORM	MG/M3	ND	0.3	
CHLOROMETHANE	MG/M3	ND	0.3	
CIS 1,2 DICHLOROETHYLENE	MG/M3	ND	0.3	
DICHLORODIFLUOROMETHANE	MG/M3	ND	0.3	
1,1-DICHLOROETHANE	MG/M3	ND	0.3	
1,2-DICHLOROETHANE	MG/M3	ND	0.3	
1,2-DICHLOROPROPANE	MG/M3	ND	0.3	
CIS-1,3-DICHLOROPROPENE	MG/M3	ND	0.3	
TRANS-1,3-DICHLOROPROPENE	MG/M3	ND	0.3	
DICHLOROTETRAFLUOROETHANE	MG/M3	ND	0.3	
ETHYL BENZENE	MG/M3	ND	0.3	
HEXACHLOROBUTADIENE	MG/M3	ND	0.3	
M-DICHLOROBENZENE	MG/M3	ND	0.3	
M,P-XYLENE	MG/M3	ND	0.3	
METHYLENE CHLORIDE	MG/M3	ND	0.7	
O-DICHLOROBENZENE	MG/M3	ND	0.3	
O-XYLENE	MG/M3	ND	0.3	
P-DICHLOROBENZENE	MG/M3	ND	0.3	
STYRENE	MG/M3	ND	0.3	
1,1,2,2-TETRACHLOROETHANE	MG/M3	ND	0.3	
TETRACHLOROETHYLENE	MG/M3	0.51	0.3	
TOLUENE	MG/M3	ND	0.3	
1,1,2-TRICHLOROETHANE	MG/M3	ND	0.3	
TRICHLOROETHYLENE	MG/M3	ND	0.3	
TRICHLOROFLUOROMETHANE	MG/M3	ND	0.3	
VINYL CHLORIDE	MG/M3	ND	0.3	
1,2-DIBROMOETHANE (EDB)	MG/M3	ND	0.3	
1,2,4 TRICHLOROBENZENE	MG/M3	ND	0.3	
1,2,4-TRIMETHYLBENZENE	MG/M3	ND	0.3	
1,3,5-TRIMETHYLBENZENE	MG/M3	ND	0.3	
1,1-DICHLOROETHENE	MG/M3	ND	0.3	
1,1,1-TRICHLOROETHANE	MG/M3	ND	0.3	

"FINAL REPORT FORMAT - SINGLE"

Accession:	810555
Client:	ROUX ASSOCIATES, INC.
Project Number:	50303Y02
Project Name:	N/S
Project Location:	N/S
Test:	TO14
Analysis Method:	TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method:	N/A
Matrix:	AIR
QC Level:	I

Lab Id: 003
Client Sample Id: SG-4

Sample Date/Time: 29-OCT-98 1120
Received Date: 30-OCT-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TRICHLOROTRIFLUOROETHANE	MG/M3	ND	0.3	
4-ETHYLTOLUENE	MG/M3	ND	0.3	
BROMOFLUOROBENZENE	%REC/SURR	109	85-111	
1,2-DICHLOROETHANE-D4	%REC/SURR	98	85-115	
TOLUENE-D8	%REC/SURR	97	85-111	
ANALYST	INITIALS	BDH		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 810555
Client: ROUX ASSOCIATES, INC.
Project Number: 50303Y02
Project Name: N/S
Project Location: N/S
Test: TO14
Analysis Method: TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method: N/A
Matrix: AIR
QC Level: I

Lab Id: 004
Client Sample Id: SG-10
Sample Date/Time: 29-OCT-98 1440
Received Date: 30-OCT-98

Batch: MAB144
Blank: A
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 02-NOV-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
ALPHA-CHLOROTOLUENE	MG/M3	ND	0.3	
BENZENE	MG/M3	ND	0.3	
BROMOMETHANE	MG/M3	ND	0.3	
CARBON TETRACHLORIDE	MG/M3	ND	0.3	
CHLOROBENZENE	MG/M3	ND	0.3	
CHLOROETHANE	MG/M3	ND	0.3	
CHLOROFORM	MG/M3	ND	0.3	
CHLOROMETHANE	MG/M3	ND	0.3	
CIS 1,2 DICHLOROETHYLENE	MG/M3	ND	0.3	
DICHLORODIFLUOROMETHANE	MG/M3	ND	0.3	
1,1-DICHLOROETHANE	MG/M3	ND	0.3	
1,2-DICHLOROETHANE	MG/M3	ND	0.3	
1,2-DICHLOROPROPANE	MG/M3	ND	0.3	
CIS-1,3-DICHLOROPROPENE	MG/M3	ND	0.3	
TRANS-1,3-DICHLOROPROPENE	MG/M3	ND	0.3	
DICHLOROTETRAFLUOROETHANE	MG/M3	ND	0.3	
ETHYL BENZENE	MG/M3	ND	0.3	
HEXACHLOROBUTADIENE	MG/M3	ND	0.3	
M-DICHLOROBENZENE	MG/M3	ND	0.3	
M,P-XYLENE	MG/M3	ND	0.3	
METHYLENE CHLORIDE	MG/M3	ND	0.7	
O-DICHLOROBENZENE	MG/M3	ND	0.3	
O-XYLENE	MG/M3	ND	0.3	
P-DICHLOROBENZENE	MG/M3	ND	0.3	
STYRENE	MG/M3	ND	0.3	
1,1,2,2-TETRACHLOROETHANE	MG/M3	ND	0.3	
TETRACHLOROETHYLENE	MG/M3	8.6	0.3	
TOLUENE	MG/M3	ND	0.3	
1,1,2-TRICHLOROETHANE	MG/M3	ND	0.3	
TRICHLOROETHYLENE	MG/M3	ND	0.3	
TRICHLOROFLUOROMETHANE	MG/M3	ND	0.3	
VINYL CHLORIDE	MG/M3	ND	0.3	
1,2-DIBROMOETHANE (EDB)	MG/M3	ND	0.3	
1,2,4 TRICHLOROBENZENE	MG/M3	ND	0.3	
1,2,4-TRIMETHYLBENZENE	MG/M3	ND	0.3	
1,3,5-TRIMETHYLBENZENE	MG/M3	ND	0.3	
1,1-DICHLOROETHENE	MG/M3	ND	0.3	
1,1,1-TRICHLOROETHANE	MG/M3	ND	0.3	

"FINAL REPORT FORMAT - SINGLE"

Accession:	810555
Client:	ROUX ASSOCIATES, INC.
Project Number:	50303Y02
Project Name:	N/S
Project Location:	N/S
Test:	TO14
Analysis Method:	TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method:	N/A
Matrix:	AIR
QC Level:	I

Lab Id: 004 Sample Date/Time: 29-OCT-98 1440
Client Sample Id: SG-10 Received Date: 30-OCT-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TRICHLOROTRIFLUOROETHANE	MG/M3	ND	0.3	
4-ETHYLTOLUENE	MG/M3	ND	0.3	
BROMOFLUOROBENZENE	%REC/SURR	109	85-111	
1,2-DICHLOROETHANE-D4	%REC/SURR	97	85-115	
TOLUENE-D8	%REC/SURR	96	85-111	
ANALYST	INITIALS	BDH		

Comments:

"Method Report Summary"

Accession Number: 810555
Client: ROUX ASSOCIATES, INC.
Project Number: 50303Y02
Project Name: N/S
Project Location: N/S
Test: TO14

Client Sample Id:	Parameter:	Unit:	Result:
SG-4	TETRACHLOROETHYLENE	MG/M3	0.51
SG-10	TETRACHLOROETHYLENE	MG/M3	8.6

SEVERN TRENT LABORATORIES 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Quality Control Report

Analysis: TO14

Accession:	810555
Client:	ROUX ASSOCIATES, INC.
Project Number:	50303Y02
Project Name:	N/S
Project Location:	N/S
Department:	ORGANIC/MS

SEVERN TRENT LABORATORIES 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"QC Report"

Title: Bag/Can Blank
Batch: MAB144
Analysis Method: TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method: N/A

Blank Id: A Date Analyzed: 02-NOV-98 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
ALPHA-CHLOROTOLUENE	MG/M3	ND	0.03
ACROLEIN	MG/M3	ND	1.0
ACETONE	MG/M3	ND	0.1
ACRYLONITRILE	MG/M3	ND	1.0
BENZENE	MG/M3	ND	0.03
BROMOMETHANE	MG/M3	ND	0.03
BROMOFORM	MG/M3	ND	0.03
2-BUTANONE	MG/M3	ND	0.10
BROMODICHLOROMETHANE	MG/M3	ND	0.03
CARBON TETRACHLORIDE	MG/M3	ND	0.03
CARBON DISULFIDE	MG/M3	ND	0.03
CHLOROBENZENE	MG/M3	ND	0.03
CHLOROETHANE	MG/M3	ND	0.03
CHLOROFORM	MG/M3	ND	0.03
CHLOROMETHANE	MG/M3	ND	0.03
CIS 1,2 DICHLOROETHYLENE	MG/M3	ND	0.03
TRANS 1,2 DICHLOROETHYLENE	MG/M3	ND	0.03
DICHLORODIFLUOROMETHANE	MG/M3	ND	0.03
DIBROMOCHLOROMETHANE	MG/M3	ND	0.03
1,1-DICHLOROETHANE	MG/M3	ND	0.03
1,2-DICHLOROETHANE	MG/M3	ND	0.03
1,2-DICHLOROPROPANE	MG/M3	ND	0.03
CIS-1,3-DICHLOROPROPENE	MG/M3	ND	0.03
TRANS-1,3-DICHLOROPROPENE	MG/M3	ND	0.03
DICHLOROTETRAFLUOROETHANE	MG/M3	ND	0.03
1,4-DICHLORO-2-BUTENE	MG/M3	ND	0.03
ETHYL BENZENE	MG/M3	ND	0.03
HEXACHLOROBUTADIENE	MG/M3	ND	0.03
2-HEXANONE	MG/M3	ND	0.10
M-DICHLOROBENZENE	MG/M3	ND	0.03
M,P-XYLENE	MG/M3	ND	0.03
METHYLENE CHLORIDE	MG/M3	ND	0.07
4-METHYL-2-PENTANONE	MG/M3	ND	0.10
O-DICHLOROBENZENE	MG/M3	ND	0.03
O-XYLENE	MG/M3	ND	0.03
P-DICHLOROBENZENE	MG/M3	ND	0.03
STYRENE	MG/M3	ND	0.03
1,1,2,2-TETRACHLOROETHANE	MG/M3	ND	0.03
TETRACHLOROETHYLENE	MG/M3	ND	0.03
TOLUENE	MG/M3	ND	0.03
1,1,2-TRICHLOROETHANE	MG/M3	ND	0.03
TRICHLOROETHYLENE	MG/M3	ND	0.03
TRICHLOROFLUOROMETHANE	MG/M3	ND	0.03
VINYL CHLORIDE	MG/M3	ND	0.03
VINYL ACETATE	MG/M3	ND	0.03
1,2-DIBROMOETHANE (EDB)	MG/M3	ND	0.03

"QC Report"

Title: Bag/Can Blank
Batch: MAB144
Analysis Method: TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method: N/A

Parameters:	Units:	Results:	Reporting Limits:
1,2,4 TRICHLOROBENZENE	MG/M3	ND	0.03
1,2,4-TRIMETHYLBENZENE	MG/M3	ND	0.03
1,3,5-TRIMETHYLBENZENE	MG/M3	ND	0.03
1,1-DICHLOROETHENE	MG/M3	ND	0.03
1,1,1-TRICHLOROETHANE	MG/M3	ND	0.03
TRICHLOROTRIFLUOROETHANE	MG/M3	ND	0.03
4-ETHYLTOLUENE	MG/M3	ND	0.03
BROMOFLUOROBENZENE	%REC/SURR	109	90-111
1,2-DICHLOROETHANE-D4	%REC/SURR	95	85-115
TOLUENE-D8	%REC/SURR	97	85-111
ANALYST	INITIALS	BDH	

Comments:

"QC Report"

Title: Bag/Can LCS
Batch: MAB144
Analysis Method: TO14/SIM/Compendium of Methods, EPA-600/4-87-006, June 1988.
Extraction Method: N/A

RS Date Analyzed: 02-NOV-98 RS Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	Rec Lmts
1,1-DICHLOROETHENE	250	<0.03	248	99	36-134
TRICHLOROETHENE	250	<0.03	284	114	65-130
BENZENE	250	<0.03	277	111	61-140
TOLUENE	250	<0.03	267	107	70-130
CHLOROBENZENE	250	<0.03	274	110	77-137
Surrogates:					
1,2-DICHLOROETHANE-D4				94	85-115
TOLUENE-D8				95	85-111
BROMOFLUOROBENZENE				109	85-111

Comments:
DUE TO THE NATURE OF THE SAMPLE MATRIX, MATRIX SPIKE/MATRIX SPIKE DUPLICATE CANNOT BE ANALYZED.

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/M3 = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
MG/M3 = MILLIGRAMS PER CUBIC METER.
NG = NANOGRAMS.
UG = MICROGRAMS.
PPBV = PARTS PER BILLION/VOLUME.
< = LESS THAN.
ND = NOT DETECTED ABOVE REPORT LIMIT.
RPT LMTS = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.
RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)
E = EXCEEDS THE CALIBRATION CURVE.

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRY WEIGHT BASIS.

DUE TO THE NATURE OF THE SAMPLE MATRIX, MATRIX SPIKE/MATRIX SPIKE DUPLICATE ANALYSIS CANNOT BE PERFORMED FOR AIR ANALYSIS.

CLP SOW 1991, USEPA CONTRACT LABORATORY PROGRAM, STATEMENT OF WORK FOR ORGANICS ANALYSIS, DOCUMENT NUMBER OLM01.8, AUGUST 1991.

AEN-PN USES THE MOST CURRENT PROMULGATED METHODS CONTAINED IN THE REFERENCE MANUALS.

LP = LEVERNE PETERSON	RW = RITA WINGO
LD = LARRY DILMORE	BDH = BRUCE D. HUNT
DWB = DAVID BOWERS	HB = HEATHER E. BLAIR
CN = CARL NOBLE	WD = WALTER DREW

Data Qualifiers for Final Report

STL-Pensacola Inorganic/Organic and AFCEE Projects (under QAPP)

J4	(For positive results)	Temperature limits exceeded (≤2°C or ≥ 6°C)
J5	(TICs)	The reported value is quantitated as a TIC; therefore, it is estimated
J6	(For positive results)	Surrogate %R is > upper control limit (UCL) or < lower control limit (LCL)
J7	(For positive results)	The reported value is > the laboratory MDL and < lowest calibration standards; therefore, the quantitation is an estimation.
J (AFCEE description)	The analyte was positively identified, the quantitation is an estimation	
R1	(For nondetects)	Temperature limits exceeded (≤2°C or ≥ 6°C)
R2	Improper preservation, no preservative present in sample upon receipt	
R3	Improper preservation, incorrect preservative present in sample upon receipt	
R4	Holding time exceeded	
R5	Collection requirements not met, improper container used for sample	
R6	Surrogate %R is < LCL and analyte is not detected or surrogate %R is < 10% for detects and nondetects	
R (AFCEE description)	The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria	
F	< laboratory or AFCEE RL and > laboratory MDL	
F (AFCEE description)	The analyte was positively identified but the associated numerical value is below the AFCEE or lab RL	
U2	≤ Laboratory MDL (value for result will be the MDL, never below the MDL)	
U (AFCEE description)	The analyte was analyzed for but not detected. The associated numerical value is at or below the MDL	
B (AFCEE description)	The analyte was found in the associated blank, as well as in the sample	
@	Adjusted reporting limit due to sample matrix (dilution prior to digestion and/or analysis)	
+	Elevated reporting limit due to dilution into calibration range	
*	Elevated reporting limit due to matrix interference (dilution prior to digestion and/or analysis)	
#	Elevated reporting limit due to insufficient sample size	
D	Diluted out	
A2	Surrogate %R is > UCL (upper control limit) and analyte is not detected. No corrective action required	
M	A matrix effect was present (sample was analyzed twice to confirm or chromatogram had interfering peaks)	
S	Incorrect sample amount was submitted to the laboratory for analysis	

ND = Not Detected at or above the STL-Pensacola reporting limit (RL) N/S = Not Submitted N/A = Not Applicable
IDL = Laboratory Instrument Detection Limit MDL = Laboratory Method Detection Limit
RL = Reporting Limit (AFCEE RLs are listed in the AFCEE QAPP)

STL-Pensacola uses the most current promulgated methods contained in the reference manuals

Any time a sample arrives at the laboratory improperly preserved (at improper pH or temperature) or after holding time has expired or prepared or analyzed after holding time, client must be notified in writing (i.e. case narrative)

Florida Projects Inorganic/Organic

Y1	Improper preservation, no preservative present in sample upon receipt
Y2	Improper preservation, incorrect preservative present in sample upon receipt
Y3	Improper preservation, sample temperature exceeded EPA temperature limits of 2-6°C upon receipt
Y (FL description)	The analysis was from an unpreserved or improperly preserved sample. Data may not be accurate
Q	Sample held beyond the accepted holding time
I	The reported value is < Laboratory RL and > laboratory MDL
U1	The reported value is ≤ Laboratory MDL (value for sample result is reported as the MDL)
U (FL description)	Indicates the compound was analyzed for but not detected
T	The reported value is < Laboratory MDL (value shall not be used for statistical analysis)
V	The analyte was detected in both the sample and the associated method blank
J1	Surrogate recovery limits have been exceeded
J2	The sample matrix interfered with the ability to make any accurate determinations
J3	The reported value failed to meet the established quality control criteria for either precision or accuracy
J (FL description)	Estimated value; not accurate

ICR Projects Inorganic/Organic

A1 Acceptable R6 Rejected

Examples: ICR Flags

R6 = Laboratory extracted the sample but the refrigerator malfunctioned so the extract became warm and client was notified
R6 = Sample arrived in laboratory in good condition; however, the laboratory did not analyze it within EPA's established holding time limit

CLP and CLP-like Projects: Refer to referenced CLP Statement of Work (SOW) for explanation of data qualifiers

Severn Trent Laboratories of Florida

PROJECT SAMPLE INSPECTION FORM

Lab Accession #: 810555 Date Received: 30-OCT-98

1.	Was there a Chain of Custody?	(Yes)	No*	8.	Were samples checked for preservative? *(Check pH of all H_2O requiring preservative (STL-PN SOP 917) except VOA vials that require zero headspace)**	Yes	No* (N/A)
2.	Was Chain of Custody properly filled out and relinquished?	(Yes)	No*	9.	Is there sufficient volume for analysis requested?	(Yes)	No*
3.	Were samples received cold? (Criteria: 2° - 6°C: STL-SOP 1055)	Yes	No* (N/A)	10.	Were samples received within Holding Time? (REFER TO STL-SOP 1040)	(Yes)	No*
4.	Were all samples properly labeled and identified?	(Yes)	No*	11.	Is Headspace visible > ¼" in diameter in VOA vials?* If any headspace is evident, comment in out-of-control	Yes*	No (N/A)
5.	Did samples require splitting? Req By: PM Client Other*	Yes*	(No)	12.	If sent, were matrix spike bottles returned?	Yes	No* (N/A)
6.	Were samples received in proper containers for analysis requested?	(Yes)	No*	13.	Was Project Manager notified of problems? (initials:)	Yes	No* (N/A)
7.	Were all sample containers received intact?	(Yes)	No*				

Airbill Number(s): 437947882390 Shipped By: Fedex

Cooler Number(s): N/S Shipping Charges: N/A

Cooler Weight(s): N/A Cooler Temp(s) (°C): N/A

(LIST THERMOMETER NUMBER(S) FOR VERIFICATION)

Out of Control Events and Inspection Comments:

Sample dates Taken from CANS LKM 10/30/98

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: LKM Date: 30-OCT-98 Logged By: LKM Date: 30-OCT-98

* *Note all Out-of-Control and/or questionable events on Comment Section of this form.*

♦ *Note who requested the splitting of samples on the Comment Section of this form.*

\+ *All preservatives for the State of North Carolina, the State of New York, and other requested samples are to be recorded on the sheet provided to record pH results (STL-SOP 938, section 2.2.9).*

* *According to EPA, ¼" of headspace is allowed in 40 ml vials requiring volatile analysis, however, STL makes it policy to record any headspace as out-of-control (STL-SOP 938, section 2.2.12).*

STL

Committed To Your Success

Severn Trent Laboratories
200 Monroe Turnpike
Monroe CT 06468
Tel (203) 261 4458
Fax (203) 268 5346

CHAIN OF CUSTODY RECORD

PAGE OF | NO.

STL JOB #: 50303402

CLIENT: Roux Associates

PROJECT ID:

STL PROJECT MGR: Jeff Makowski

RUSH [ ] YES [x] NO | DUE DATE

TESTS: TO14 VOCs

BOTTLE TYPE AND PRESERVATION: Tedlar Bag

810555

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y/N	FIELD FILTERED - CIRCLE Y or N (Y / N)	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	SG-11	1600	Air			N								
	SG-6	1310	}			N								
	SG-4	1120	}			N								
	SG-10	1440	}			N								

GENERAL REMARKS

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
SIGNATURE

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY — DATE / TIME
SIGNATURE

REMARKS ON SAMPLE RECEIPT

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

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Fax: (203) 268-5346

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CHAIN OF CUSTODY RECORD

PAGE OF | NO.

STL JOB #: 503034.02

CLIENT: Rock Associates

PROJECT ID:

STL PROJECT MGR: Jeff Makowski

RUSH [ ] YES [X] NO | DUE DATE

TESTS | GENERAL REMARKS

TO14 VOCs

~~$105~~ LKW 10/30 810555

BOTTLE TYPE AND PRESERVATION

Kellar Bog

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	FIELD FILTERED - CIRCLE Y or N	SAMPLE REMARKS
	SG-11	1600	Air			N	
	SG-6	1310				N	
	SG-4	1120				N	
	SG-10	1440				N	

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
SIGNATURE

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY — DATE / TIME
SIGNATURE

REMARKS ON SAMPLE RECEIPT

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

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CHAIN OF CUSTODY RECORD

PAGE OF | NO.

STL JOB #: 50303402

CLIENT: Rock Associates

PROJECT ID:

STL PROJECT MGR: Jeff Makowski

RUSH ☐ YES ☒ NO | DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB #	QC Y / N	TESTS: TO14 VOCs — $10555	BOTTLE TYPE AND PRESERVATION: Tedlar Bag	FIELD FILTERED - CIRCLE Y or N	SAMPLE REMARKS
	SG-11	1600	Air			N		Y / N	
	SG-6	1310				N		Y / N	
	SG-4	1120				N		Y / N	
	SG-10	1440				N		Y / N	

GENERAL REMARKS

10/29/98 11:20

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
SIGNATURE

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY — DATE / TIME
Linda Kilt-Moore 10/30/98 0915
SIGNATURE

REMARKS ON SAMPLE RECEIPT

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

Severn Trent Laboratories
200 Monroe Turnpike
Monroe CT 06468
Tel (203) 261-4458
Fax (203) 268 5346

Committed To Your Success

CHAIN OF CUSTODY RECORD

PAGE OF | NO. 810555

STL JOB #: 50303402

CLIENT: Rock Associates

PROJECT ID:

STL PROJECT MGR: Jeff Makowski

RUSH ☐ YES ☒ NO | DUE DATE

TESTS: TO14 VOCs

BOTTLE TYPE AND PRESERVATION: Tedlar Bag

GENERAL REMARKS

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB #	QC Y / N	FIELD FILTERED - CIRCLE Y or N	SAMPLE REMARKS
	SG-11	1600	Air			N	
	SG-6	1320				N	
	SG-4	1120				N	
	SG-10	1440				N	

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
SIGNATURE

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY — DATE / TIME
SIGNATURE

REMARKS ON SAMPLE RECEIPT

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

APPENDIX D

USEPA Region III RBC Table

Sources: I = IRIS H = HEAST A = HEAST Alternate W = Withdrawn from IRIS or HEAST
E = EPA-NCEA provisional value O = other

Basis: C = Carcinogenic effects N = Noncarcinogenic effects
! = RBC at HI of 0.1 < RBC-c Risk-based concentrations

Chemical	CAS	RfDo mg/kg/d		CSFo 1/mg/kg/d		RfDi mg/kg/d		CSFi 1/mg/kg/d		vo	Tap water ug/l	Ambient air ug/m3	Fish mg/kg	Soil Industrial mg/kg	Residential mg/kg
RESMETHRIN	10453868	3.00E-02	I								1.1E+03 N	1.1E+02 N	4.1E+01 N	6.1E+04 N	2.3E+03 N
RONNEL	299843	5.00E-02	H								1.8E+03 N	1.8E+02 N	6.8E+01 N	1.0E+05 N	3.9E+03 N
ROTENONE	83794	4.00E-03	I								1.5E+02 N	1.5E+01 N	5.4E+00 N	8.2E+03 N	3.1E+02 N
SELENIOUS ACID	7783008	5.00E-03	I								1.8E+02 N	1.8E+01 N	6.8E+00 N	1.0E+04 N	3.9E+02 N
SELENIUM	7782492	5.00E-03	I								1.8E+02 N	1.8E+01 N	6.8E+00 N	1.0E+04 N	3.9E+02 N
SILVER	7440224	5.00E-03	I								1.8E+02 N	1.8E+01 N	6.8E+00 N	1.0E+04 N	3.9E+02 N
SIMAZINE	122349	5.00E-03	I	1.20E-01	H						6.6E-01 C	6.2E-02 C	2.6E-02 C	4.8E+01 C	5.3E+00 C
SODIUM AZIDE	26628228	4.00E-03	I								1.5E+02 N	1.5E+01 N	5.4E+00 N	8.2E+03 N	3.1E+02 N
SODIUM DIETHYLDITHIOCARBAMATE	148185	3.00E-02	I	2.70E-01	H						2.5E-01 C	2.3E-02 C	1.2E-02 C	2.1E+01 C	2.4E+00 C
STRONTIUM, STABLE	7440246	6.00E-01	I								2.2E+04 N	2.2E+03 N	8.1E+02 N	1.2E+06 N	4.7E+04 N
STRYCHNINE	57249	3.00E-04	I								1.1E+01 N	1.1E+00 N	4.1E-01 N	6.1E+02 N	2.3E+01 N
STYRENE	100425	2.00E-01	I			2.86E-01	I			y	1.6E+03 N	1.0E+03 N	2.7E+02 N	4.1E+05 N	1.6E+04 N
2,3,7,8-TETRACHLORODIBENZODIOXIN	1746016			1.50E+05	H			1.50E+05	H		4.5E-07 C	4.2E-08 C	2.1E-08 C	3.8E-05 C	4.3E-06 C
1,2,4,5-TETRACHLOROBENZENE	95943	3.00E-04	I							y	1.8E+00 N	1.1E+00 N	4.1E-01 N	6.1E+02 N	2.3E+01 N
1,1,1,2-TETRACHLOROETHANE	630206	3.00E-02	I	2.60E-02	I			2.60E-02	I	y	4.1E-01 C	2.4E-01 C	1.2E-01 C	2.2E+02 C	2.5E+01 C
1,1,2,2-TETRACHLOROETHANE	79345			2.00E-01	I			2.00E-01	I	y	5.3E-02 C	3.1E-02 C	1.6E-02 C	2.9E+01 C	3.2E+00 C
TETRACHLOROETHENE	127184	1.00E-02	I	5.20E-02	E	1.4E-01	E	2.00E-03	E	y	1.1E+00 C	3.1E+00 C	6.1E-02 C	1.1E+02 C	1.2E+01 C
2,3,4,6-TETRACHLOROPHENOL	58902	3.00E-02	I								1.1E+03 N	1.1E+02 N	4.1E+01 N	6.1E+04 N	2.3E+03 N
P,A,A,A-TETRACHLOROTOLUENE	5216251			2.00E+01	H					y	5.3E-04 C	3.1E-04 C	1.6E-04 C	2.9E-01 C	3.2E-02 C
1,1,1,2-TETRAFLUOROETHANE	811972					2.29E+01	I			y	1.7E+05 N	8.4E+04 N			
TETRYL	479458	1.00E-02	H								3.7E+02 N	3.7E+01 N	1.4E+01 N	2.0E+04 N	7.8E+02 N
THALLIC OXIDE	1314325	7.00E-05	W								2.6E+00 N	2.6E-01 N	9.5E-02 N	1.4E+02 N	5.5E+00 N
THALLIUM	7440280	7.00E-05	O								2.6E+00 N	2.6E-01 N	9.5E-02 N	1.4E+02 N	5.5E+00 N
THALIUM ACETATE	563688	9.00E-05	I								3.3E+00 N	3.3E-01 N	1.2E-01 N	1.8E+02 N	7.0E+00 N
THALLIUM CARBONATE	6533739	8.00E-05	I								2.9E+00 N	2.9E-01 N	1.1E-01 N	1.6E+02 N	6.3E+00 N
THALLIUM CHLORIDE	7791120	8.00E-05	I								2.9E+00 N	2.9E-01 N	1.1E-01 N	1.6E+02 N	6.3E+00 N
THALLIUM NITRATE	10102451	9.00E-05	I								3.3E+00 N	3.3E-01 N	1.2E-01 N	1.8E+02 N	7.0E+00 N
THALLIUM SULFATE (2:1)	7446186	8.00E-05	I								2.9E+00 N	2.9E-01 N	1.1E-01 N	1.6E+02 N	6.3E+00 N
THIOBENCARB	28249776	1.00E-02	I								3.7E+02 N	3.7E+01 N	1.4E+01 N	2.0E+04 N	7.8E+02 N
TIN	7440315	6.00E-01	H								2.2E+04 N	2.2E+03 N	8.1E+02 N	1.2E+06 N	4.7E+04 N
TITANIUM	7440326	4.00E+00	E			8.60E-03	E				1.5E+05 N	3.1E+01 N	5.4E+03 N	8.2E+06 N	3.1E+05 N
TITANIUM DIOXIDE	13463677	4.00E+00	E			8.60E-03	E				1.5E+05 N	3.1E+01 N	5.4E+03 N	8.2E+06 N	3.1E+05 N
TOLUENE	108883	2.00E-01	I			1.14E-01	I			y	7.5E+02 N	4.2E+02 N	2.7E+02 N	4.1E+05 N	1.6E+04 N
TOLUENE-2,4-DIAMINE	95807			3.20E+00	H						2.1E-02 C	2.0E-03 C	9.9E-04 C	1.8E+00 C	2.0E-01 C
TOLUENE-2,5-DIAMINE	95705	6.00E-01	H								2.2E+04 N	2.2E+03 N	8.1E+02 N	1.2E+06 N	4.7E+04 N
TOLUENE-2,6-DIAMINE	823405	2.00E-01	H								7.3E+03 N	7.3E+02 N	2.7E+02 N	4.1E+05 N	1.6E+04 N
P-TOLUIDINE	106490			1.90E-01	H						3.5E-01 C	3.3E-02 C	1.7E-02 C	3.0E+01 C	3.4E+00 C