



April 15, 2009

RCRA RECORDS CENTER  
FACILITY Bostik  
I.D. NO. MAD001039767  
FILE LOC. R-1B  
OTHER 109442

US Environmental Protection Agency, Region 1  
One Congress Street - Suite 1100  
Boston, MA 02114-2023  
Attn: Mr. Stephen Yee



RDMS DocID

109442

RE: Certification of Partial Closure of Aboveground Storage Tanks - Revised  
Bostik, Inc., 211 Boston Road, Middleton, MA  
MAD001039767

Dear Mr. Yee:

Triumvirate Environmental, Inc. (TEI) on behalf of Bostik, Inc. (Bostik) has prepared this revision to the Certification of Partial Closure of Aboveground Storage Tanks Report dated December 5, 2008. The report was prepared to document the partial closure of two hazardous waste storage tanks at the referenced facility. On October 7, 2008, Bostik completed the partial closure of two 8,800 gallon aboveground storage tanks (ASTs) identified as T-1 and T-2. The ASTs were used to store polyester distillate waste generated at the site prior to burning with natural gas in a Struthers-Wells Industrial Boiler. The purpose of this partial closure was to replace two existing ASTs in which corrosion was identified during a RCRA Tank Assessment conducted in late 2007.

### Introduction

In response to US Environmental Protection Agency (US EPA) comments on Bostik's December 2006 Part B permit application, Bostik performed a RCRA Tank Assessment of tanks T-1, T-2, T-9 and DT-1 in late 2007. The tank assessment indicated that tank T-2 was not fit for continued use and tank T-1 was compromised due to microbial induced corrosion on the interior of the tank bottoms. Neither tank exhibited any external sign of corrosion. Tanks T-9 and DT-1 passed the assessment and the industrial boiler and associated piping remain in good working order, therefore Bostik has conducted a partial closure of the regulated unit by removing and replacing tanks T-1 and T-2. Two new tanks, identified as T-3 and T-4, each with an 8,000 gallon capacity, have been installed in the exact location of the previous tanks.

### Closure Activities

The partial closure of tanks T-1 and T-2 was performed in accordance with the approved Closure Plan dated March 2008. The procedure for closure was prepared to control, minimize, and eliminate the post-closure escape of hazardous waste, hazardous waste constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the ground or surface waters, and to the atmosphere. The closure activities detailed in the Closure Plan are as follows:

**Bostik, Inc.**  
211 Boston Street  
Middleton, MA 01949-2128 USA  
Tel: 978.750.7402 - Fax: 978.750.7232



- Lower tank levels, to the extent practical, by burning in the Struthers-Wells Industrial Boiler.
- Remove residual liquid and sludge from the tanks
- Blow residual distillate from pipes back to the tanks
- Disconnect piping from tanks
- Clean tanks
- Remove tank rinseate
- Collect and analyze wipe samples to ensure tanks are clean
- If necessary clean and remove rinseate and resample
- Remove and recycle empty tanks
- Dispose of all hazardous waste at approved waste disposal facility

To facilitate continued distillate burning service during the project, the tanks were closed one at a time. Based on the internal condition of the tanks, tank T-2 was selected for the initial closure. The distillate level in tank T-2 was lowered to the maximum extent practical by burning only from that tank. TEI was then contracted to remove the remaining 879 gallons of liquid and sludge from tank T-2. On April 21, 2008, the liquid and sludge was removed via a vacuum truck and transported by TEI to Norlite Corporation of Cohoes, New York for off-site recycling by fuels blending. This departure from the Site Characterization Work Plan is discussed below. On April 22, 2008, TEI cleared the lines back to tank T-2 of residual distillate by applying vacuum to them using a vacuum truck, and decontaminated the tank in accordance with the procedure detailed in the approved Closure Plan dated March 2008. The TEI personnel performing the decontamination consisted of the driver/vacuum truck operator, a field supervisor and one field technician on April 21, and two field technicians on April 22. Field Services Job Sheets and Field Services Supplies & Equipment Sheets detailing the personnel and equipment used during the closure are included in Attachment 1: Personnel and Equipment. At the end of each work day equipment was decontaminated and disposable personal protective equipment (PPE), spent sorbent materials and rinseate were drummed for off-site disposal. All decontamination work was conducted at a decontamination area adjacent to the work zone, located behind Building 39. The decontamination procedure for non-disposable tools and equipment consisted of:

- Wash down the equipment with a solution of hot water (approximately 120 F) and a mild detergent collecting wash water in a DOT approved drum
- Rinse each piece of equipment with clean tap water three times, collecting rinsate in a DOT approved drum
- Wipe the equipment dry using rags, placing rags in a DOT approved drum
- Transport and dispose of decontamination rinseate and rag wastes at an approved facility

Following decontamination, two drums of PPE, sorbent material (rags) and rinseate collected in DOT approved drums during the decontamination of the non-disposable tools and equipment



was placed in Bostik's 90-day Hazardous Waste Storage Area for disposal with routine waste shipments. In addition, 1,456 gallons of rinseate and residual distillate were removed via vacuum truck and transported by TEI to Norlite Corporation of Cohoes, New York, for off-site recycling by fuels blending. On June 23, 2008, the two drums of PPE, sorbent materials and rinseate from the decontamination of the non-disposable tools and equipment were shipped by TEI to Ross Incineration Services, Inc. of Grafton, Ohio, for final destruction by incineration. Refer to Attachment 2: Waste Disposal Documentation for copies of waste disposal documentation.

On April 25, 2008, following decontamination of tank T-2, wipe samples were collected from the interior surface of tank T-2 and analyzed at Alpha Analytical Laboratory of Westborough, MA, to ensure that the tank was free of residual contamination prior to recycling. The contaminants of concern identified in the polyester distillate waste stream are tetrahydrofuran, xylenes, methyl ethyl ketone, toluene, ethyl acetate, ethylene glycol, and methanol. Samples were analyzed for volatile organic compounds and glycols/alcohols by EPA Method 8260, ASTM Method D3695, and ASTM Method E202. This departure from the Site Characterization Work Plan is discussed below. It was determined that there was no analytical method to detect butanediol. Since this chemical is not a hazardous component it was dropped from the sampling requirement. This departure from the Site Characterization Work Plan was documented in a Variance Request submitted by Bostik to the US EPA on May 12, 2008, and is discussed below. A copy of the Variance Request is included as Attachment 6: Variance Request. The laboratory analytical results of wipe samples for all analyses indicated that no analytes were detected above the laboratory's method detection limit. US EPA reviewed the laboratory analytical data during the closure process and approved closure based on the results. This departure from the Site Characterization Work Plan is discussed below. Refer to Attachment 3: Laboratory Analytical Data for a copy of the laboratory analytical report.

Following sampling, tank T-2 was removed from secondary containment and temporarily stored on-site pending disposal. Once the tank was removed, the containment structure around and beneath the tank footprint was inspected to ensure there were no cracks that could indicate contamination beneath the structure. The containment structure was determined to be in excellent condition at that time as no cracks were observed.

The catwalks associated with tanks T-1 and T-2, exhibited no evidence of contamination and therefore, were removed and disposed of as scrap in conjunction with the tank removal activities. On June 6, 2008, all liquid and vapor service piping associated with tanks T-1 and T-2 that was not required for the arrangement of the replacement tanks was disconnected and removed from service. The piping was cut and containerized in a 55-gallon drum for off-site disposal. One 55-gallon drum (approximately 300 pounds) of piping and two 55-gallon drums of PPE, sorbent material and rinseate were collected and stored in Bostik's on-site 90-day hazardous waste storage area pending disposal. On June 23, 2008, these drums were shipped by TEI to Ross Incineration Services, Inc. of Grafton, Ohio, for final destruction by incineration. This departure from the Site Characterization Work Plan is discussed below. Refer to



Attachment 2: Waste Disposal Documentation for copies of waste disposal documentation associated with this activity.

Upon completion of the closure of tank T-2 the process was repeated for tank T-1. The same decontamination procedure used for tank T-2 was repeated for tank T-1. The distillate level in tank T-1 was lowered to the maximum extent practical by burning only from that tank. TEI was then contracted to remove the remaining four drums of liquid and sludge from tank T-1. On July 1, 2008, confined space entry practices were used to access the tank and to remove the liquid and sludge. The liquid and sludge was removed and transported via a vacuum truck by TEI to Norlite Corporation of Cohoes, New York for off-site recycling by fuels blending. This departure from the Site Characterization Work Plan is discussed below. TEI cleared the lines back to tank T-1 of residual distillate and decontaminated the tank in accordance with the procedure detailed in the approved Closure Plan dated March 2008. The TEI personnel performing the decontamination consisted of the driver/vacuum truck operator, a field supervisor and two field technicians. Field Services Job sheets and Field Services Supplies & Equipment sheets detailing the personnel and equipment used during the closure are included in Attachment 1: Personnel and Equipment. At the end of each work day equipment was decontaminated and disposable PPE and supplies were drummed for off-site disposal, the procedure for decontamination is detailed above. All decontamination work was conducted at a decontamination area adjacent to the work zone, located behind Building 39.

Following decontamination, two drums of PPE, sorbent material and rinseate collected in DOT approved drums during the decontamination of the non-disposable tools and equipment was placed in Bostik's 90-day Hazardous Waste Storage Area for disposal with routine waste shipments. In addition, 1,070 gallons of rinseate and residual distillate were removed via vacuum truck and transported by TEI to Norlite Corporation of Cohoes, New York, for off-site recycling by fuels blending. On August 4, 2008, two drums of PPE, sorbent materials and rinseate from the decontamination of the non-disposable tools and equipment was shipped by TEI to Ross Incineration Services, Inc. of Grafton, Ohio, for final destruction by incineration. Refer to Attachment 2: Waste Disposal Documentation for copies of waste disposal documentation.

On July 1, 2008, following decontamination, wipe samples were collected from the interior surface of tank T-1 and analyzed at Alpha Analytical Laboratory of Westborough, MA, to ensure that the tank was free of residual contamination prior to recycling. The contaminants of concern identified in the polyester distillate waste stream are tetrahydrofuran, xylene, methyl ethyl ketone, toluene, ethyl acetate, ethylene glycol, and methanol. Samples were analyzed for volatile organic compounds and glycols/alcohols by EPA Method 8260, ASTM Method D3695, and ASTM Method E202. This departure from the Site Characterization Work Plan is discussed below. It was determined that there was no analytical method to detect butanediol. Since this chemical is not a hazardous component it was dropped from the sampling requirement. This departure from the Site Characterization Work Plan was documented in a Variance Request submitted by Bostik on May 12, 2008, and is discussed below. The laboratory analytical results of wipe samples for all analyses indicated that no analytes were detected above the laboratory's



method detection limit. US EPA reviewed the laboratory analytical data during the closure process and approved closure based on the results. This departure from the Site Characterization Work Plan is discussed below. Refer to Attachment 3: Laboratory Analytical Data for a copy of the laboratory analytical report.

Following sampling, tank T-1 was removed from secondary containment and temporarily stored on-site pending disposal. Once the tank was removed, the containment structure around and beneath the tank footprint was inspected to ensure there were no cracks that could indicate contamination beneath the structure. The containment structure was determined to be in excellent condition at that time as no cracks were observed.

On October 7, 2008, once both tanks were determined to be clean, they were loaded by crane onto a flatbed truck and transported by Windfield Alloy of Atkinson, New Hampshire to Advanced Recycling of Concord, New Hampshire for recycling. Refer to Attachment 2: Waste Disposal Documentation for the copies of waste disposal documentation associated with this activity.

During the decontamination and closure of tanks T-1 and T-2 no hazardous waste or waste residue was spilled or released to the ground surface. All hazardous waste, and hazardous waste contaminated PPE, spent sorbent materials, and rinsate have been properly disposed of at licensed disposal facilities in accordance with state and federal regulations.

#### Soil Assessment Activities

At the request of the US EPA, Bostik conducted an assessment of soil in the area of tanks T-1 and T-2 to confirm that there was no impact by contaminants of concern to soil or groundwater. Based on observations during and following removal of tanks T-1 and T-2 the secondary containment was in excellent condition and did not exhibit any cracks or structural defects warranting further investigation. Therefore, in order to maintain the integrity of the secondary containment soil borings were advanced in the asphalt driveway immediately adjacent to the secondary containment structure. This departure from the Site Characterization Work Plan is discussed below. On August 21, 2008, TEI advanced soil borings via direct-push "Geoprobe" drilling method. During boring advancement continuous samples were collected in disposable acetate liners. Drilling refusal was encountered at the initial boring location (B-1), therefore the location was off set by approximately three feet and boring B-2 was advanced to 15 feet below grade. Groundwater was encountered at approximately 11 feet below grade in boring B-2. All samples were field screened for total organic vapors using a RAE Systems MiniRAE 2000 equipped with a 10.6 eV lamp calibrated to read as benzene equivalents. Two samples, collected at 3-7 feet and 11-15 feet below grade, were submitted for laboratory analysis of volatile organic compounds via EPA Method 8260, ASTM Method D3695, and ASTM Method E202. All soil samples were reported with all results below the detection limit. A copy of the soil assessment report, including laboratory analytical data is included as Attachment 4: Soil Assessment Report.



Throughout the closure process photodocumentation has been collected. A photographic record documenting each milestone is included as Attachment 5: Photodocumentation.

#### Departures from Site Characterization Work Plan

As indicated above six departures from the site characterization work plan occurred during the closure activities. The justification for each departure from the site characterization work plan is detailed below.

1. The liquid and sludge removal from tanks T-1 and T-2 was performed using a vacuum truck rather than being drummed.

It was determined that based on the calculated volume of liquid and sludge remaining in the tank that it would be more cost-effective to remove and dispose of it using a vacuum truck rather than in drums.

2. The approved closure plan indicated that analysis of volatile organic compounds would be performed by EPA Method 8015B.

The laboratory determined that analysis of wipe samples via EPA Method 8015B would not yield the adequate results for all contaminants of concern. Therefore, based on laboratory recommendations analysis by EPA Method 8260, ASTM Method D3695, and ASTM Method E202 was performed.

3. Butanediol was removed from the list of contaminants of concern for the closure of tanks T-1 and T-2.

It was determined, through correspondence between Bostik and US EPA, documented in a Variance Request submitted by Bostik on May 12, 2008, that there was no method to detect Butanediol, and since this chemical is not currently listed by the US EPA hazardous component it was removed from the list of contaminants of concern. A copy of the Variance Request is included as Attachment 6: Variance Request.

4. The analytical results were not compared to Media Closure Criteria as proposed in the approved closure plan.

US EPA reviewed the laboratory analytical data during the closure process and approved closure based on the results.

5. The liquid and vapor service piping not required for the arrangement of the replacement tanks was not decontaminated.



Based on the small amount of piping unnecessary for the replacement tanks, it was determined that it would be more cost-effective to remove and dispose of it as hazardous waste rather than to decontaminate it.

6. The soil boring assessment was not performed within the secondary containment area.

A soil boring was not installed through the secondary containment structure because the secondary containment was retained for future use and not decommissioned as planned in the Closure Plan. In addition, the secondary containment area did not exhibit any cracks, breaches, or structural defects that warranted further investigation; the soil boring assessment was conducted outside the footprint of the secondary containment structure.

### Certification

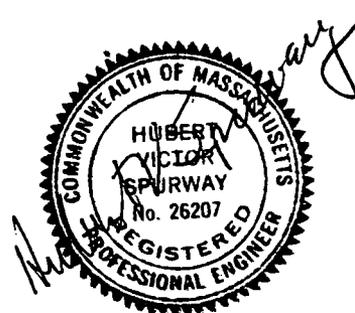
I hereby certify that, with the exception of the departures previously explained, the partial closure of two bulk hazardous waste storage tanks was performed in accordance with the approved Closure Plan. I further certify that the information in this report is true and accurate to the best of my knowledge.

Bostik, Inc.

Daniel F. Welch  
Corporate Environmental Manager  
Attachments

Hubert V. Spurway, PE  
Consulting Engineer

1. Personnel and Equipment
2. Waste Disposal Documentation
3. Laboratory Analytical Results
4. Soil Boring Assessment
5. Photodocumentation
6. Variance Request



**ATTACHMENT 1**

**PERSONNEL AND EQUIPMENT**



**TRIUMVIRATE ENVIRONMENTAL**  
**Field Services Job Summary**

www.triumvirate.com  
 800.966.9282 New England  
 800.427.3320 Mid-Atlantic

Job & Work Order No. 52347  
 Job Name BOSTEK BOSTON  
 Date 4/21/08 Arrival Time 8:00 AM  
 Site Supervisor ROB LOMONICA  
 Project Manager \_\_\_\_\_  
 Change order? Yes No \_\_\_\_\_

\* THESE WILL BE ADDITIONAL HOURS ADDED FOR TRAVEL + DISPOSAL ON ADDITIONAL DATE

**Labor**

Date	Position	Employee	Vehicle No.	Load/Travel	Onsite	Lunch/Break	Travel/Unload	Office/Compliance	Total Time
4/21	DRIVER	PAV KLING	7001	1	5		1	.25	7.25

**Equipment**

Equipment Rental	Vendor Name	Hours	Purchase Order No.

**Field Purchases**

Field Purchases*	Vendor Name	Amex, Cash or Check No.	Purchase Order No.

**Waste Information**

Is waste left onsite for future pickup? Y N

State Manifest No.	Approval Code	Facility	55g	85g	Yd <sup>3</sup>	Gallons	Tons
00383520 JJK	0580 EFG	NORLITE CORP				1000 G	

**Subcontractors**

Subcontractor	Service/Quantity	Travel	Onsite	Purchase Order No.

\*receipts are required

Date: 4/21/08

Generator: [Signature]

Supervisor: [Signature]



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 800.427.3320 Mid-Atlantic

### Field Services Job Summary

Job & Work Order No. T52347  
 Job Name BOSTIK  
 Date 4.21.08 Arrival Time 8:00  
 Site Supervisor Rob LaMonica  
 Project Manager Bruce Sullivan  
 Change order? Yes No \_\_\_\_\_

#### Labor

Date	Position	Employee	Vehicle No.	Load/Travel	Onsite	Lunch/Break	Travel/Unload	Office/Compliance	Total Time
4.21	SUPERVISOR	R. LAMONICA	1082	1.5	5.5	/	.5		
-	FIELD TECH	X. DUKE	<del>1082</del>	1.5	5.5	/	.5		

#### Equipment

Equipment Rental	Vendor Name	Hours	Purchase Order No.

#### Field Purchases

Field Purchases*	Vendor Name	Amex, Cash or Check No.	Purchase Order No.

#### Waste Information

- Is waste left onsite for future pickup? Y N

State Manifest No.	Approval Code	Facility	55g	85g	Yd <sup>3</sup>	Gallons	Tons

#### Subcontractors

Subcontractor	Service/Quantity	Travel	Onsite	Purchase Order No.

\*receipts are required

Date: 4.21.08

Generator: [Signature]

Supervisor: Rob LaMonica

# TRIUMVIRATE ENVIRONMENTAL

Job# 52347

## Field Services Supplies & Equipment

Supply/Equipment Name	Units of Measure	Units Used	Supply/Equipment Name	Units of Measure	Units Used
<b>Tools</b>			<b>Drums</b>		
Compressor (Large)	Day		Hazard Pak Boxes (pallet, liner, nails)	Each	
Compressor (Portable)	Day		05 gal. Carboys	Each	
Drill	Day		55 gal. 1H1 Poly Closed New Drum	Each	
Explosion Proof Blower	Day	1	55 gal. 1H1 Poly Closed Recon Drum	Each	
Explosion Proof Light	Day		55 gal. 1H2 Poly Open Recon Drum	Each	
Generator	Day		55 gal. 1A1 Steel Closed Recon Drum	Each	
Grinder	Day		55 gal. 1A2 Steel Open Recon Drum	Each	
Hammer Drill	Day		85 gal. 1H2 Poly Open New Drum	Each	
Hot Water Washer	Day	1	85 gal. 1A2 Steel Open New Drum	Each	
Jackhammer	Day		<b>Packing Materials</b>		
Jet Router	Day		Poly Bags	Each	
Non-Sparking Air Tools	Day		Poly Sheeting	Each	
Pneumatic Shears	Day		PPB		
Portable Lights	Day		Air Bottles	Each	
Pressure Washer	Day		Cartridge - Hepa 7580P-100	Each	
Sand Blaster	Day		Cartridge - Hepa Combo 75SCP-100	Each	
Saw - Chain	Day		Cartridge - Mersorb 75852P-100	Each	
Saw - Cutoff	Day		Cartridge - Organic GME 75SC	Each	1pc
Saw - Drill	Day		Cascade System/Unit	Each	
Saw-Zall, with blades	Day		Chicken Boots	Each	1pc
Tank Hammer with Bit	Day		CSB Gear	Each	1
Torch Set-up	Day		Gloves - Leather/PVC	Each	
Vibrating Plate	Day		HEPA Air Filtration	Each	
<b>Meters</b>			Level D	Each	1
Drager GMA Pump	Day		SCBA	Each	
Drager Hand Pump	Day		Tyvek - Level 1	Each	1
Flame Locator	Day		Tyvek - Level 2	Each	
Meter - CGI/02	Day	1	Tyvek - Level 3	Each	
Meter - Mercury	Day		<b>Spill Materials</b>	Each	
Meter - Mini-Ram	Day		3M Pads (bail)	Each	
Meter - PCL	Day		3M Universal Pads (bail)	Each	
Meter - Voltage Indicator	Day		Absorbent Powder - Chemical	Each	
<b>Cleaning Materials</b>			Oil Booms (8' x 10')	Each	
Degreaser - Mean Green (1 gallon)	Each	4	Spill Kit (Mercury)	Each	
Limestone chips (bag)	Each		<b>Pumps</b>		
Rags (box)	Each		Pump - 2" Diaphragm	Day	
Speed-Dry (bag)	Each		Pump - 2" Submersible	Day	
Vacuum - HEPA	Day		Pump - 3" Submersible	Day	
Vacuum - Mercury	Day		Pump - 3" Trash	Day	
Vacuum - Shop	Day		Pump - Drum Transfer	Day	
Vacuum - Tornado	Day		Pump - Personal Sampling	Day	
<b>Kits</b>			<b>Miscellaneous (describe/list PO)</b>		
Field Support Kit	Each				
Sample Kit	Each				

Generator Signature: *Scott P. G.*

Date: 4/22/08

White copy - Triumvirate

Supervisor Signature: *Robt L. Monaco*

Date: 4.21.08

Yellow copy - Generator



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 800.427.3320 Mid-Atlantic

### Field Services Job Summary

Job & Work Order No. T52347  
 Job Name BOSTIK  
 Date 4.22.08 Arrival Time 8:00  
 Site Supervisor Rob LaMonica  
 Project Manager Bruce Sullivan  
 Change order?  Yes  No

#### Labor

Date	Position	Employee	Vehicle No.	Load/Travel	Onsite	Lunch/Break	Travel/Unload	Office/Compliance	Total Time
4.22	Supervisor	R. LaMonica	1004	1.5	7.5		1.5		
	Field Techs	I. Cruz		1.5	7.5		1.5		
		J. Dalfuss		1.5	7.5		1.5		

#### Equipment

Equipment Rental	Vendor Name	Hours	Purchase Order No.

#### Field Purchases

Field Purchases*	Vendor Name	Amex, Cash or Check No.	Purchase Order No.

#### Waste Information

Is waste left onsite for future pickup? Y N

State Manifest No.	Approval Code	Facility	55g	85g	Yd <sup>3</sup>	Gallons	Tons

#### Subcontractors

Subcontractor	Service/Quantity	Travel	Onsite	Purchase Order No.

\*receipts are required

Date: 4.22.08

Generator: [Signature]

Supervisor: [Signature]

**TRIUMVIRATE  
ENVIRONMENTAL**

Job# T 52347

**Field Services Supplies & Equipment**

Supply/Equipment Name	Units of Measure	Units Used	Supply/Equipment Name	Units of Measure	Units Used
<b>Tools</b>			<b>Drums</b>		
Compressor (Large)	Day		Hazard Pak Boxes (pallet liner, nails)	Each	
Compressor (Portable)	Day		05 gal. Carboys	Each	
Drill	Day		55 gal. 1H1 Poly Closed New Drum	Each	
Explosion Proof Blower	Day		55 gal. 1H1 Poly Closed Recon Drum	Each	
Explosion Proof Light	Day		55 gal. 1H2 Poly Open Recon Drum	Each	
Generator	Day		55 gal. 1A1 Steel Closed Recon Drum	Each	
Grinder	Day		55 gal. 1A2 Steel Open Recon Drum	Each	
Hammer Drill	Day		85 gal. 1H2 Poly Open New Drum	Each	
Hot Air Washer	Day		85 gal. 1A2 Steel Open New Drum	Each	
Jackhammer	Day		<b>Packing Materials</b>		
Jet Rooster	Day		Poly Bags	Each	
Non-Sparking Air Tools	Day		Poly Sheeting	Each	
Pneumatic Shears	Day		PPF		
Portable Lights	Day		Air Bottles	Each	
Pressure Washer	Day		Cartridge - Hepa 7580P-100	Each	
Sand Blaster	Day		Cartridge - Hepa Combo 75SCP-100	Each	3pc
Saw - Chain	Day		Cartridge - Mersonb 75852P-100	Each	
Saw - Cutoff	Day		Cartridge - Organic GME 75SC	Each	
Saw - Skill	Day		Cascade System/Unit	Each	
Saw-Zall, with blades	Day		Chicken Boots	Each	
Stair Hammer with Bit	Day		CSE Gear	Each	
Torch Set-up	Day		Gloves - Leather/PVC	Each	
Welding Plate	Day		HEPA Air Filtration	Each	
<b>Meters</b>			Level D	Each	
Drager GMS Pump	Day		SCBA	Each	
Drager Hand Pump	Day		Tyvek - Level 1	Each	3
Drager Detector	Day		Tyvek - Level 2	Each	
Meter - CGI/02	Day		Tyvek - Level 3	Each	
Meter - Mercury	Day		<b>Spill Materials</b>	Each	
Meter - Mini-Ram	Day		3M Pads (bail)	Each	
Meter - PID	Day		3M Universal Pads (bail)	Each	
Meter - Voltage Indicator	Day		Absorbent Powder - Chemical	Each	
<b>Cleaning Materials</b>			Oil Booms (8'x10')	Each	
Degreaser - Mean Green (1 gallon)	Each		Spill Kit (Mercury)	Each	
Limestone Chips (bag)	Each		<b>Pumps</b>		
Rags (box)	Each		Pump - 2" Diaphragm	Day	
Speedi Dry (bag)	Each		Pump - 2" Submersible	Day	
Vacuum - HEPA	Day		Pump - 3" Submersible	Day	
Vacuum - Mercury	Day		Pump - 3" Trash	Day	
Vacuum - Shop	Day		Pump - Drum Transfer	Day	
Vacuum - Tornado	Day		Pump - Personal Sampling	Day	
<b>Kits</b>			<b>Miscellaneous (describe/list PO)</b>		
Field Support Kit	Each				
Sample Kit	Each	✓			

Generator Signature: [Signature]

Date: 4/22/08

White copy - Triumvirate

Supervisor Signature: [Signature]

Date: 4-22-08

Yellow copy - Generator



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### Field Services Job Summary

Job & Work Order No. 53208  
 Job Name Bostik Pipe Removal  
 Date 6.6.08 Arrival Time 8:00 am  
 Site Supervisor Rob Lamonica  
 Project Manager Bruce Sullivan  
 Change order? Yes No

#### Labor

Date	Position	Employee	Vehicle No.	Load/Travel	Onsite	Lunch/Break	Travel/Unload	Office/Compliance	Total Time
6.6	Supervisor	Rob Lamonica		1	6		1.5	0.25	
6.6	Field Tech.	Xavier Duke	1016	1	6		1.5	0.25	
6.6	Field Tech.	Ed St. Charles III		1	6		1.5	0.25	

#### Equipment

Equipment Rental	Vendor Name	Hours	Purchase Order No.

#### Field Purchases

Field Purchases*	Vendor Name	Amex, Cash or Check No.	Purchase Order No.

#### Waste Information

Is waste left onsite for future pickup?  Y  N

State Manifest No.	Approval Code	Facility	55g	85g	Yd <sup>3</sup>	Gallons	Tons
<del>0038346465K</del>	<del>19196</del>		1				
<del>0038346465K</del>	<del>64754(15)</del>		1				

#### Subcontractors

Subcontractor	Service/Quantity	Travel	Onsite	Purchase Order No.

Date: 6.6.08

Generator: [Signature]

Supervisor: [Signature] \*receipts are required

# TRIUMVIRATE ENVIRONMENTAL

Job# 53208

## Field Services Supplies & Equipment

Supply/Equipment Name	Units of Measure	Units Used	Supply/Equipment Name	Units of Measure	Units Used
<b>Tools</b>			<b>Drums</b>		
Compressor (Large)	Day		Hazard Pak Boxes (pallet liner rolls)	Each	
Compressor (Portable)	Day		05 gal. Carboys	Each	
Drill	Day		55 gal. 1H1 Poly Closed New Drum	Each	
Explosion Proof Blower	Day		55 gal. 1H1 Poly Closed Recon Drum	Each	
Explosion Proof Light	Day		55 gal. 1H2 Poly Open Recon Drum	Each	
Generator	Day		55 gal. 1A1 Steel Closed Recon Drum	Each	
Grinder	Day		55 gal. 1A2 Steel Open Recon Drum	Each	2
Hammer Drill	Day		85 gal. 1H2 Poly Open New Drum	Each	
Hot Water Washer	Day		85 gal. 1A2 Steel Open New Drum	Each	
Jackhammer	Day		<b>Packing Materials</b>		
Jet Rooster	Day		Poly Bags	Each	10/60
Non-Sparking Air Tools	Day		Poly Sheeting	Each	1/2
Pneumatic Shears	Day		PPF		
Portable Lights	Day		Air Bottles	Each	
Pressure Washer	Day		Cartridge - Hepa 7580R-100	Each	
Sand Blaster	Day		Cartridge - Hepa Combo 75SCP-100	Each	
Saw - Chain	Day		Cartridge - Mersorb/75852P-100	Each	
Saw - Cutoff	Day		Cartridge - Organic GME 75SC	Each	
Saw - Skill	Day		Cascade System/Unit	Each	
Saw-Zall, with blades	Day		Chicken Boots	Each	
Tank Hammer with Bit	Day		CSE Gear	Each	
Torch Set-up	Day		Gloves - Leather/PVC	Each	
Vibrating Plate	Day		HEPA Air Filtration	Each	
<b>Meters</b>			Level D	Each	3
Drager OMS Pump	Day		SCBA	Each	
Drager Hand Pump	Day		Tyvek - Level 1	Each	2
Line Locator	Day		Tyvek - Level 2	Each	
Meter - CGI/02	Day		Tyvek - Level 3	Each	
Meter - Mercury	Day		<b>Spill Materials</b>		
Meter - Mini-Ram	Day		3M Pads (bail)	Each	
Meter - PID	Day		3M Universal Pads (bail)	Each	
Meter - Voltage Indicator	Day		Absorbent Powder - Chemical	Each	
<b>Cleaning Materials</b>			Oil Booms (8"x10')	Each	
Degreaser - Mean Green (1 gallon)	Each		Spill Kit (Mercury)	Each	
Limestone chips (bag)	Each		<b>Pumps</b>		
Rags (box)	Each	1	Pump - 2" Diaphragm	Day	
Speedi-Dry (bag)	Each		Pump - 2" Submersible	Day	
Vacuum - HEPA	Day		Pump - 3" Submersible	Day	
Vacuum - Mercury	Day		Pump - 3" Trash	Day	
Vacuum - Shop	Day		Pump - Drum Transfer	Day	
Vacuum - Tornado	Day		Pump - Personal Sampling	Day	
<b>Kits</b>			Miscellaneous (describe/list PO)		
Field Support Kit	Each	1			
Sample Kit	Each				

Generator Signature: [Signature]

Date: 6/6/08

White copy - Triumvirate

Supervisor Signature: [Signature]

Date: 6-6-08

Yellow copy - Generator



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 800.966.9282 New England  
 800.427.3320 Mid-Atlantic

### Field Services Job Summary

Job & Work Order No. 53606  
 Job Name Bostik  
 Date 7-1-08 Arrival Time 800  
 Site Supervisor N. SIMONS  
 Project Manager B. Sullivan  
 Change order? Yes No

#### Labor

Date	Position	Employee	Vehicle No.	Load/Travel	Onsite	Lunch/Break	Travel/Unload	Office/Compliance	Total Time
7-1-08	SUPERVISOR	N. SIMONS		2	7.75	N/A	2	.5	12.25
7-1-08	FIELD TECH	P. JONES	1016	2	7.75	N/A	2	.25	12.00
7-1-08	FIELD TECH	R. LAMBORN		2	7.75	N/A	2	.25	12.00

#### Equipment

Equipment Rental	Vendor Name	Hours	Purchase Order No.

#### Field Purchases

Field Purchases*	Vendor Name	Amex, Cash or Check No.	Purchase Order No.

#### Waste Information

Is waste left onsite for future pickup? Y N

State Manifest No.	Approval Code	Facility	55g	85g	Yd <sup>3</sup>	Gallons	Tons

#### Subcontractors

Subcontractor	Service/Quantity	Travel	Onsite	Purchase Order No.

Date: 7/1/08

Generator: [Signature]

Supervisor: [Signature]

\*receipts are required

**TRIUMVIRATE  
ENVIRONMENTAL**

Job# 53606

**Field Services Supplies & Equipment**

Supply/Equipment Name	Units of Measure	Units Used	Supply/Equipment Name	Units of Measure	Units Used
<b>Tools</b>			<b>Drums</b>		
Compressor (Large)	Day		Hazard Pak Boxes (pallet, liner, nails)	Each	
Compressor (Portable)	Day		05 gal. Carboys	Each	
Drill	Day		55 gal. 1H1 Poly Closed New Drum	Each	
Explosion Proof Blower	Day		55 gal. 1H1 Poly Closed Recon Drum	Each	
Explosion Proof Light	Day		55 gal. 1H2 Poly Open Recon Drum	Each	
Generator	Day		55 gal. 1A1 Steel Closed Recon Drum	Each	
Grinder	Day		55 gal. 1A2 Steel Open Recon Drum	Each	
Hammer Drill	Day		85 gal. 1H2 Poly Open New Drum	Each	
Hot Water Washer	Day		85 gal. 1A2 Steel Open New Drum	Each	
Jackhammer	Day		<b>Packing Materials</b>		
Jet Router	Day		Poly Bags	Each	
Non-Sparking Air Tools	Day		Poly Sheeting	Each	
Pneumatic Shears	Day		PPE		
Portable Lights	Day		Air Bottles	Each	
Pressure Washer	Day	1	Cartridge - Hepa 7500P-100	Each	
Sand Blaster	Day		Cartridge - Hepa Combo 75SCP-100	Each	3
Saw - Chain	Day		Cartridge - Mersorb 75852P-100	Each	
Saw - Cutoff	Day		Cartridge - Organic GME 75SC	Each	
Saw - Skill	Day		Cascade System/Unit	Each	
Saw-Zall, with blades	Day		Chicken Boots	Each	2
Tank Hammer with Bit	Day		CSE Gear	Each	
Torch Set-up	Day		Gloves - Leather/PVC	Each	
Vibrating Plate	Day		HEPA Air Filtration	Each	
<b>Meters</b>			Level D	Each	
Drager CMB Pump	Day		SCBA	Each	
Drager Hand Pump	Day		Tyvek - Level 1	Each	2
Drager Level 2	Day		Tyvek - Level 2	Each	2
Meter - CGI/02	Day	1	Tyvek - Level 3	Each	
Meter - Mercury	Day		Spill Material	Each	
Meter - Mini-Ram	Day		3M Pads (bail)	Each	
Meter - PID	Day		3M Universal Pads (bail)	Each	
Meter - Voltage Indicator	Day		Absorbent Powder - Chemical	Each	
<b>Cleaning Materials</b>			Oil Booms (8"x10')	Each	
Degreaser - Mean Green (1 gallon)	Each	5	Spill Kit (Mercury)	Each	
Gloves (bag)	Each		<b>Pumps</b>		
Rags (box)	Each	1	Pump - 2" Diaphragm	Day	
Speed-Dry (bag)	Each		Pump - 2" Submersible	Day	
Vacuum - HEPA	Day		Pump - 3" Submersible	Day	
Vacuum - Mercury	Day		Pump - 3" Trash	Day	
Vacuum - Shop	Day		Pump - Drum Transfer	Day	
Vacuum - Tornado	Day		Pump - Personal Sampling	Day	
<b>Kits</b>			Miscellaneous (describe/list PO)		
Field Support Kit	Each	1			
Sample Kit	Each				

Generator Signature:

Date: 7/1/08  
Date: 7-1-08

White copy - Triumvirate  
Yellow copy - Generator



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 800.966.9282 New England  
 800.427.3320 Mid-Atlantic

### Field Services Job Summary

Job & Work Order No. 53606  
 Job Name BOSTIK  
 Date 7/1/08 Arrival Time 4:30  
 Site Supervisor \_\_\_\_\_  
 Project Manager \_\_\_\_\_  
 Change order? Yes No \_\_\_\_\_

#### Labor

Date	Position	Employee	Vehicle No.	Load/Travel	Onsite	Lunch/Break	Travel/Unload	Office/Compliance	Total Time
7/1	DRIVER	PAUL KLEIN	2002	1.5	3		1	1.5	6
7/2	DRIVER	PAUL KLEIN	2-02				10		

#### Equipment

Equipment Rental	Vendor Name	Hours	Purchase Order No.

#### Field Purchases

Field Purchases*	Vendor Name	Amex, Cash or Check No.	Purchase Order No.

#### Waste Information

Is waste left onsite for future pickup? Y N

State Manifest No.	Approval Code	Facility	55g	85g	Yd <sup>3</sup>	Gallons	Tons
003829395	0580 EFG	NORLITE CORP				1070	

#### Subcontractors

Subcontractor	Service/Quantity	Travel	Onsite	Purchase Order No.

\*receipts are required

Date: 7/1/08

Generator: [Signature]

Supervisor: [Signature]

**ATTACHMENT 2**

**WASTE DISPOSAL DOCUMENTATION**

42593/8042208035  
 Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>MAD001039767</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 966 9782</b>	4. Manifest Tracking Number <b>003835230 JJK</b>
-----------------------------------------	-----------------------------------------------	-----------------------	----------------------------------------------------	-----------------------------------------------------

5. Generator's Name and Mailing Address <b>Bostik 211 Boston Street Middleton, MA 01949</b>	Generator's Site Address (if different than mailing address) <b>Bostik 211 Boston Street Middleton, MA 01949</b>
Generator's Phone: <b>(978) 750-7466</b> Attn: <b>Scott Cullen</b>	

6. Transporter 1 Company Name <b>Triumvirate Environmental, Inc.</b>	U.S. EPA ID Number <b>MAD985286088</b>
7. Transporter 2 Company Name	

8. Designated Facility Name and Site Address <b>Norite Corporation 628 South Street Cohoes, NY 12047</b>	U.S. EPA ID Number <b>NYD080469035</b>
Facility's Phone: <b>518-235-0401</b>	

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	<b>Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Xylene) (RQ: D001, F003, F005)</b>	0	01	1879	G	D001	D003	F003
						F005		B

14. Special Handling Instructions and Additional Information  
 1. (1 x Tanker) 0580EFG    2.    3.    4. *Sealed 879 gal / 7100 lbs*  
*sg. = 0.768 g/l*

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name <b>Scott P. Cullen</b>	Signature <i>Scott P. Cullen</i>	Month Day Year <b>10/12/08</b>
--------------------------------------------------------------------	-------------------------------------	-----------------------------------

16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
------------------------------------------------------------------------------------------------------------------	-------------------------------------------

17. Transporter Acknowledgment of Receipt of Materials		
Transporter 1 Printed/Typed Name <b>Paul Klink</b>	Signature <i>Paul Klink</i>	Month Day Year <b>10/12/08</b>
Transporter 2 Printed/Typed Name		

18. Discrepancy					
18a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
Facility's Phone:	

18c. Signature of Alternate Facility (or Generator)	Month Day Year
-----------------------------------------------------	----------------

19. Hazardous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. <b>H050</b>	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a		
Printed/Typed Name <b>W. R. ...</b>	Signature <i>W. R. ...</i>	Month Day Year <b>10/12/08</b>

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>MAD001039767</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 966 9282</b>	4. Manifest Tracking Number <b>003831811 JJK</b>			
5. Generator's Name and Mailing Address <b>Bostik 211 Boston Street Middleton, MA 01949</b>				Generator's Site Address (if different than mailing address) <b>Bostik 211 Boston Street Middleton, MA 01949</b>				
Generator's Phone: <b>(978) 750-7466</b>				Attn: <b>Scott Cullen</b>				
6. Transporter 1 Company Name <b>Triunvirate Environmental, Inc.</b>					U.S. EPA ID Number <b>MAD985286988</b>			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Norlite Corporation 628 South Street Cohoes, NY 12047</b>					U.S. EPA ID Number <b>NYD080469935</b>			
Facility's Phone: <b>518-235-0401</b>								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type			D001	D035	F003
X	1. <b>Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Xylene) (RQ: D001, F003)</b>	001	TT	1456 (94) 01289	G	F005		B
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information 1. (1 x Tanker) 0580EFG 2. 3. 4. <b>CAN 219752</b> <i>Rec'd 1456 lbs / 11520 lbs</i> <i>sp. 0.946</i>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name <b>Scott P. Cullen</b>					Signature <i>[Signature]</i>		Month Day Year <b>04 22 08</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name <b>Sean J. Martij</b>					Signature <i>[Signature]</i>		Month Day Year <b>04 22 08</b>	
Transporter 2 Printed/Typed Name					Signature		Month Day Year	
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number: _____								
18b. Alternate Facility (or Generator) U.S. EPA ID Number								
Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. <b>H05D</b>		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <b>David [Signature]</b>					Signature <i>[Signature]</i>		Month Day Year <b>04 22 08</b>	

XXXXX

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>MAD001039767</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 966 9282</b>	4. Manifest Tracking Number <b>003829395 JJK</b>			
5. Generator's Name and Mailing Address <b>Bostik 211 Boston Street Middleton, MA 01949- Generator's Phone: (978) 750-7466 Attn: Scott Cullen</b>				Generator's Site Address (if different than mailing address) <b>Bostik 211 Boston Street Middleton, MA 01949</b>				
6. Transporter 1 Company Name <b>Triumvirate Environmental, Inc.</b>					U.S. EPA ID Number <b>MAD985286988</b>			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Norlite Corporation 628 South Street Cohoes, NY 12047 Facility's Phone: 518-235-0401</b>					U.S. EPA ID Number <b>NYD080469935</b>			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type			D001	D035	F003
X	1. <b>Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Xylene) (RQ: D001, F003)</b>	001	TT	1070	G	F005		B
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information 1. (1x Tanker) 0580EFG 2. 3. 4. <b>0070-03</b> <i>rec'd 1045 gal / 8280 lbs sg = 0.950 g/ml</i>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name <b>Scott P. Cullen</b>					Signature <i>[Signature]</i>		Month Day Year <b>10/10/08</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:								
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>PAUL KLING</b> Signature <i>[Signature]</i> Month Day Year <b>10/20/08</b> Transporter 2 Printed/Typed Name Signature Month Day Year								
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:								
18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone:								
18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. <b>H040</b> 2. 3. 4.								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Day Year <b>7/3/08</b>								

5070108 0278

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>MAD001039767</b>	2. Facility ID <b>1</b>	3. Emergency Response Phone <b>800 966 9282</b>	4. Manifest Tracking Number <b>003834659 JJK</b>
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5. Generator's Name and Mailing Address <b>Bostik 211 Boston Street Middleton, MA 01949</b>		Generator's Site Address (if different than mailing address) <b>Bostik 211 Boston Street Middleton, MA 01949</b>			
Generator's Phone: <b>(978) 750-7466</b>		Attn: <b>Scott Cullen</b>			

6. Transporter 1 Company Name <b>Triumvirate Environmental, Inc.</b>	U.S. EPA ID Number <b>MAD985286988</b>
7. Transporter 2 Company Name	U.S. EPA ID Number

8. Designated Facility Name and Site Address <b>Ross Incineration Services, Inc. 36790 Giles Road Grafton, OH 44044</b>	U.S. EPA ID Number <b>OH0048415665</b>
Facility's Phone: <b>(440) 748-5800</b>	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	1. Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Xylene) (RQ: D001, F003)	001	DM	0300	P	D001	D035	F003
X	2. Waste Flammable solids, organic, n.o.s. 4.1, UN1325, II (Methanol, Xylene) (RQ: D001, F003)	003	DM	0900	P	D001	D035	F003
	3. Non-regulated material (polyester distillate and metal pipe)	001	DM	0300	P	MA99		
	4.							

14. Special Handling Instructions and Additional Information 1 - (1 x 55) 64734 (15)    2 - (5 x 55) 14500    3 - (1 x 55) 14198    4 -				
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15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offero's Printed/Typed Name <b>Scott P. Cullen</b>	Signature <i>[Signature]</i>	Month <b>06</b>	Day <b>23</b>	Year <b>08</b>
-------------------------------------------------------------------	---------------------------------	--------------------	------------------	-------------------

16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
------------------------------------------------------------------------------------------------------------------	-------------------------------------------

17. Transporter Acknowledgment of Receipt of Materials				
Transporter 1 Printed/Typed Name <b>Sean W Martin</b>	Signature <i>[Signature]</i>	Month <b>06</b>	Day <b>23</b>	Year <b>08</b>
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy					
18a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
Facility's Phone:	
18c. Signature of Alternate Facility (or Generator)	Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. <b>H040</b>	2. <b>H040</b>	3. <b>H040</b>	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a				
Printed/Typed Name <b>Rebecca Wunker</b>	Signature <i>[Signature]</i>	Month <b>06</b>	Day <b>30</b>	Year <b>08</b>

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>MAD001039767</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>800 966 9282</b>	4. Manifest Tracking Number <b>005077928 JJK</b>			
5. Generator's Name and Mailing Address <b>Bostik 211 Boston Street Middleton, MA 01949-</b>				Generator's Site Address (if different than mailing address) <b>Bostik 211 Boston Street Middleton, MA 01949</b>				
Generator's Phone: <b>(978) 750-7466</b>				Attn: <b>Scott Cullen</b>				
6. Transporter 1 Company Name <b>Triumvirate Environmental, Inc.</b>					U.S. EPA ID Number <b>MAD985286988</b>			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Ross Incineration Services, Inc. 36790 Giles Road Craffton, OH 44044</b>					U.S. EPA ID Number <b>OH D048415665</b>			
Facility's Phone: <b>(440) 748-5800</b>								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type			D001	D035	F003
X	1. Waste Flammable liquids, n.o.s. 3, UN1993, II (Toluene, Methyl Ethyl Ketone) (RQ: D001, F003, F005)	061	DM	25925	P	D001	D035	F003
X	2. Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Methyl Ethyl Ketone) (RQ: D001, F003, F005)	010	DM	04500	P	D001	D035	F003
X	3. Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Xylene) (RQ: D001, F003)	002	DM	0800	P	D001	D035	F003
X	4. Waste Flammable liquids, n.o.s. 3, UN1993, II (Toluene, Ethyl Acetate) (RQ: D001, D035, F003)	003	DM	01200	P	D001	D035	F003
14. Special Handling Instructions and Additional Information 1- (61 x 55) 64733    2- (10 x 55) 64789    3- (2 x 55) 64734 (15)    4- (3 x 55) 11381								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offor's Printed/Typed Name <b>Scott P. Cullen</b>					Signature <i>Scott P. Cullen</i>		Month Day Year <b>08/04/08</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.    Port of entry/exit: _____ Transporter signature (for exports only): _____    Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>Sean W Martin</b> Signature <i>Sean W Martin</i> Month Day Year <b>08/04/08</b> Transporter 2 Printed/Typed Name _____    Signature _____    Month Day Year _____								
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____								
18b. Alternate Facility (or Generator) Facility's Phone: _____					U.S. EPA ID Number _____			
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. _____    2. _____    3. _____    4. _____								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name _____					Signature _____ Month Day Year _____			

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator ID Number <b>M A D 0 0 1 0 3 9 7 6 7</b>	22. Page <b>2</b>	23. Manifest Tracking Number <b>005077928 JJK</b>			
24. Generator's Name <b>Bostik</b> <b>211 Boston Street</b> <b>Middleton, MA 01949-</b>							
25. Transporter <b>3</b> Company Name				U.S. EPA ID Number			
26. Transporter <b>4</b> Company Name				U.S. EPA ID Number			
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes	
		No.	Type				
	<b>5 Non-RCRA, non- DOT (Used Oil)</b>	<b>001</b>	<b>DM</b>	<b>0450</b>	<b>P</b>	<b>MA01</b>	
	<b>6 Non-RCRA, non- DOT (Oily Solids)</b>	<b>003</b>	<b>DM</b>	<b>01200</b>	<b>P</b>	<b>MA01</b>	
	<del>7 Non-regulated material (Polyamide Diol)</del> <b>8M</b> <b>Did not ship</b>		<del>DM</del>		<del>P</del>	<del>MA99</del>	
	<del>8 Non-regulated material (Non-Regulated Loosepack)</del> <b>8M</b> <b>did not ship</b>		<del>DM</del>		<del>P</del>	<del>MA99</del>	
	<b>9 Non-regulated material (AQUAGRIP 8140)</b>	<b>001</b>	<b>TP</b>	<b>0350</b>	<b>P</b>	<b>MA99</b>	
32. Special Handling Instructions and Additional information <b>5 - ( 1 x 55 ) 64737 (11) 6 - ( 3 x 55 ) 10024 (12) <del>7 - ( 1 x 55 ) 64747 (10) 8 - ( 1 x 55 ) 10023</del> 9 - ( 1 x Tote ) 14831 10 - 11 - 12 - 13 - 14 -</b>							
33. Transporter <b>3</b> Acknowledgment of Receipt of Materials							
Printed/Typed Name			Signature		Month	Day	Year
34. Transporter <b>4</b> Acknowledgment of Receipt of Materials							
Printed/Typed Name			Signature		Month	Day	Year
35. Discrepancy							
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							

GENERATOR

TRANSPORTER

DESIGNATED FACILITY



Ticket # TIHY45

TICKET REPRINT on 10/07/08

PURCHASE TICKET

Prolerized New England LLC  
dba/ Advanced Recycling  
10 Poplar Avenue  
Concord, NH 03301

Ticket # TIHY45  
ID: NINE

Ship Date: 10/07/08

Vehicle # TK 18

Purchased From: WINF11  
WINDFIELD ALLOY  
2 ROUTE 111  
ATRINSON, NH 03811

Item Shipped Material	Gross		Pounds	
	Tare	Net	Adj	Pd Wt
1. TIHY45 UNPREP #1 HMS	64800a	44420a	20380	0 20380
<b>Totals</b>			<b>20380</b>	<b>0 20380</b>

Gross Wght Date/Time 10/07/08 14:28  
Tare Wght Date/Time 10/07/08 14:49

GROSS TONS  
8.0882

Weighmaster Signature

(KELLY RESELTON)

(All weights are reported in Pounds unless otherwise indicated)  
(All non-Pound weights are assumed to be manual weights)  
(a=Scale 1 b=Scale 2 c=Scale 3 d=Scale 4 m=Manual Weight)

**DISCLAIMER AND WAIVER OF LIABILITY**

Disclaimer and Waiver of Liability for present and future deliveries. For mutual consideration the customer and driver acknowledge and assume the risk involved in discharging scrap metal in the yard. The customer and driver release discharge and hold harmless Prolerized New England, its employees and its insurance carrier from any and all liability for damages both to person and property including but not limited to damage to motor vehicles while driving through the yard or loading or unloading scrap metal in the yard in connection with present and future delivery of scrap.

**INSTITUTION RECYCLING NETWORK, INC.**  
 7 SOUTH STATE STREET, SUITE 2  
 CONCORD, NH 03301

# INVOICE

Invoice Number: 10541  
 Invoice Date: Oct 9, 2008  
 Page: 1

*Duplicate*

Voice: 603-229-1962  
 Fax: 603-229-1960

Bostik Middleton  
 Bostik, Inc.  
 211 Boston St  
 MIDDLETON, MA 01949

<b>BOSTIK MIDDLETON</b>		<b>Net 30 Days</b>	
<b>DANA</b>	<b>Airborne</b>	<b>10/9/08</b>	<b>11/8/08</b>

Quantity	Description	Unit Price	Total Price
1.00	IRN-TR	725.00	725.00
1.00	IRN MGR	425.00	425.00
20,380.00	MM-BOS	-0.03	-570.64

<b>Subtotal</b>	<b>579.36</b>
<b>Sales Tax</b>	
<b>Total Invoice Amount</b>	<b>579.36</b>
<b>Payment/Credit Applied</b>	

Check/Credit Memo No:

Overdue invoices are subject to finance charges.

**IRN**  
**THE RECYCLING NETWORK**

**MEMBER REQUESTED SALES QUOTE**  
**SEPTEMBER 24, 2008**

**Member:** Bostik, Inc. Middleton, MA

**Member ID:** Bostik-Middleton

**Member Contact:** Scott Cullen

**Service Location:** Building 39

**Scope of Services:** Liquid Storage Tank Removal for Recycling

**Approximate Weight:** 14,000 pounds

**Labor:** \$425.00 site management, transportation coordination, recordkeeping

**Transportation:** \$425.00 per flatbed trip plus fuel surcharge per truckload. Two flatbed trips expected.

**\*Recycling Revenues:** \$.034 per pound for Number 1 Steel

**Total Estimated Cost:** \$799.00

**Shipment Specifications:**

- Tanks will be loaded onto Winfield Alloy Flat Bed Trailers by crane and labor services provided by Bostik, Inc. and their sub-contractors.
- Tanks will not contain any hazardous materials.
- Winfield Alloy will weigh all shipments, and provide (via fax) IRN and Bostik with weight slips.

**Terms:** Net 45 days.

**Please sign and fax return (603-229-1960) acceptance of this quote so we can schedule this service request:**

\_\_\_\_\_  
**Member Signature**

For future reference, please use this Sales Quote Number #08-0924-4, to match with services provided. Due to the daily index volatility, this service quote is valid through October 3, 2008. Upon acceptance, the revenue rate will be provided for the date of the signed approval.

Thank you

Comprehensive Recycling Solutions  
7 South State Street, Suite 2 • Concord, New Hampshire 03301  
Telephone: 603-229-1962 • Fax: 603-229-1960 • web site: [www.ir-network.com](http://www.ir-network.com)

**ATTACHMENT 3**

**LABORATORY ANALYTICAL RESULTS**

THF  
Xylene  
MEK  
Toluene  
Ethyl acetate

} 8260B  
Water/Rinsate  
- TIC's

ICAL  
kup Drive  
husetts 01581-1019  
www.alphalab.com  
.0086 RI:LAC00065 NY:11148 NJ:MA935 Army:USACE

OF ANALYSIS

Laboratory Job Number: L0808797  
Date Received: 13-JUN-2008  
Date Reported: 26-JUN-2008  
Delivery Method: Alpha  
Site: BOSTIK

ALPHA	IDENTIFICATION	SAMPLE LOCATION
L0808797-01	T2 VOC	BOSTON ST MIDDLETON MA
L0808797-02	T2 GLYCOL	BOSTON ST MIDDLETON MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Paul L. Weston  
Technical Representative

ALPHA ANALYTICAL

Eight Walkup Drive  
Westborough, Massachusetts 01581-1019  
(508) 898-9220 www.alphalab.com  
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Triumvirate Environmental      Laboratory Job Number: L0808797  
Address: 61 Inner Belt Road      Date Received: 13-JUN-2008  
Somerville, MA 02143      Date Reported: 26-JUN-2008  
Attn: Ms. Britt Gentry      Delivery Method: Alpha  
Project Number:      Site: BOSTIK

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ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0808797-01	T2 VOC	BOSTON ST MIDDLETON MA
L0808797-02	T2 GLYCOL	BOSTON ST MIDDLETON MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

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Authorized by: *Kevin L. Weston*  
Technical Representative

ALPHA ANALYTICAL  
NARRATIVE REPORT

Laboratory Job Number: L0808797

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Report Submission

This report replaces the report issued June 20, 2008. A Volatile Organics narrative has been added.

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Volatile Organics

L0808797-01 was assessed for the presence of ethyl acetate as a TIC. The compound was not present.

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0808797-01  
T2 VOC  
Sample Matrix: WATER  
Condition of Sample: Satisfactory  
Number & Type of Containers: 2-Vial

Date Collected: 13-JUN-2008 12:00  
Date Received : 13-JUN-2008  
Date Reported : 26-JUN-2008  
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260				1 8260B		0620 11:45	GK
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0808797-01  
T2 VOC

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0620 11:45		GK
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Ethyl methacrylate	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	19	ug/l	10				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	3.1	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	96.0	%		70-130			
Toluene-d8	99.0	%		70-130			
4-Bromofluorobenzene	93.0	%		70-130			
Dibromofluoromethane	97.0	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0808797-02

Date Collected: 13-JUN-2008 12:00

T2 GLYCOL

Date Received : 13-JUN-2008

Sample Matrix: WATER

Date Reported : 26-JUN-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	

\*\*\*\*\* THIS SAMPLE IS ON HOLD \*\*\*\*\*

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0808797

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by GC/MS 8260 for sample(s) 01 (WG326377-1, WG326377-2)					
Chlorobenzene	93	96	3	20	75-130
Benzene	92	93	1	20	76-127
Toluene	93	95	2	20	76-125
1,1-Dichloroethene	100	106	6	20	61-145
Trichloroethene	86	89	3	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	101	96	5		70-130
Toluene-d8	101	101	0		70-130
4-Bromofluorobenzene	92	93	1		70-130
Dibromofluoromethane	101	97	4		70-130

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0808797

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG326377-3)							
Volatile Organics by GC/MS 8260				1 82608		0620 11:11	GK
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0808797

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG326377-3)							
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0620 11:11 GK	
Ethyl methacrylate	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Surrogate(s)	Recovery		QC-Criteria				
1,2-Dichloroethane-d4	96.0	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	94.0	%	70-130				
Dibromofluoromethane	97.0	%	70-130				

ALPHA ANALYTICAL  
ADDENDUM I

---

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, -Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

**TRIUMVIRATE ENVIRONMENTAL**

PROVIDING LONG-TERM, INNOVATIVE SOLUTIONS

**Chain of Custody Record**

**ALPHA Job #** L0600747

Page: 1 Of: 1

**Triumvirate Environmental**  
61 Inner Belt Road  
Somerville MA 02143  
Telephone: 617.628.8098  
Fax: 617.628.8099

**Container Type**  
P - Plastic  
G - Glass  
V - VOA  
B - BOD Bottle  
O - Other

**Sample Type**  
E - Effluent  
I - Influent  
DW - Drinking Water  
GW - Ground water  
W - Wipe  
B - Bottom Sed.  
SG - Sludge  
S - Soil  
O - Oil  
X - Others

**Laboratory:** **Alpha Labs**  
8 Walkup Drive  
Wastborough MA  
(508) 898-9220

Site: Bostik  
Address: Boston St Middleton MA  
Contact: Scott Cullen Telephone: \_\_\_\_\_  
Project: T2  
Purpose: Disposal  
Frequency: One Time

Rush TAT \_\_\_\_\_ Date: \_\_\_\_\_  
STD TAT \_\_\_\_\_ Approved By: \_\_\_\_\_  
PO # 10038 T# : 53287  
Project Manager: \_\_\_\_\_  
Data Delivery: ADEx  EMAIL  FAX   
Email Address: bgency@triumvirate.com  
Fax Number: (617) 628 - 8099

Please fax all Smart-report to Visoth

Location (Sample Identification)	Sample Type	Container			Sampling		Preservative	Laboratory Analysis	Notes
		Size	Type	#	Date	Time			
T2 VOC - 2 containers 1 sample	E	100mL	VOA	2	6/13	12:00pm	HCl	8260B - methanol and ethyl acetate	Alpha does not perform this analysis - please forward this sample to a lab that does.
T2 Glycol - 2 containers 1 sample	E	1qt	G	2	6/13	12:00pm	None	8430 - ethylene glycol and diethylene glycol	

Sampler's Name (Print)	No.	Date	Time	Transfers Relinquished By	Date	Time	Transfers Accepted By
Project Specific Comments: Please reference PO# or T# on all invoice	1	6-13-08	9:30	Jeff Dallfus	6-13-08	15:40	Morgan Linn
	2	6-13-08	9:35	Jeff Dallfus			
	3	6-13-08	9:40	Jeff Dallfus			
	4	6-13-08	9:45	Jeff Dallfus			
	5	6-13-08	11:00	Stephen Sullivan	6/13/08	17:05	Jason M...

Ethylene glycol }  
Methanol } 8015B  
Rinsate

TICAL

1akup Drive  
achusetts 01581-1019  
www.alphalab.com  
10086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

OF ANALYSIS

Cant do BDO

Laboratory Job Number: L0809367

Date Received: 13-JUN-2008

Date Reported: 27-JUN-2008

Delivery Method: Alpha

Site: BOSTIK

TEST REPORT NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0809367-01	T2 GLYCOL	BOSTON ST. MIDDLETON, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Michelle M. Morris  
Technical Representative

ALPHA ANALYTICAL

Eight Walkup Drive  
Westborough, Massachusetts 01581-1019  
(508) 898-9220 www.alphalab.com  
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Triumvirate Environmental      Laboratory Job Number: L0809367  
Address: 61 Inner Belt Road      Date Received: 13-JUN-2008  
Somerville, MA 02143      Date Reported: 27-JUN-2008  
Attn: Ms. Britt Gentry      Delivery Method: Alpha  
Project Number:      Site: BOSTIK

---

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0809367-01	T2 GLYCOL	BOSTON ST. MIDDLETON, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

---

Authorized by: Michelle M. Morris  
Technical Representative

ALPHA ANALYTICAL  
NARRATIVE REPORT

Laboratory Job Number: L0809367

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The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Sample Receipt

L0809367-01 was received in inappropriate containers for the Methyl Alcohol and Ethylene glycol analyses. At the client's request the analyses were performed.

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0809367-01

T2 GLYCOL

Sample Matrix:

WATER

Date Collected: 13-JUN-2008 12:00

Date Received : 13-JUN-2008

Date Reported : 27-JUN-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Glycol Organics by GC/FID				12 E202			0627 00:53 RT
Ethylene glycol	ND	mg/l	5.0				
Alcohol Organics by GC/FID				12 D3695			0626 16:12 RT
Methyl Alcohol	ND	mg/l	2.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0809367

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Glycol Organics by GC/FID for sample(s) 01 (L0809367-01, WG327236-4)					
Ethylene glycol	ND	5.6	mg/l	NC	40
Alcohol Organics by GC/FID for sample(s) 01 (L0809367-01, WG327130-4)					
Methyl Alcohol	ND	ND	mg/l	NC	40

ALPHA ANALYTICAL  
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0809367

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Parameter	% Recovery	QC Criteria
Glycol Organics by GC/FID LCS for sample(s) 01 (WG327236-2)		
Ethylene glycol	73	40-140
Alcohol Organics by GC/FID LCS for sample(s) 01 (WG327130-2)		
Methyl Alcohol	87	70-130
Glycol Organics by GC/FID SPIKE for sample(s) 01 (L0809367-01, WG327236-3)		
Ethylene glycol	120	40-140
Alcohol Organics by GC/FID SPIKE for sample(s) 01 (L0809367-01, WG327130-3)		
Methyl Alcohol	92	70-130

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ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0809367

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG327236-1)							
Glycol Organics by GC/FID				12 E202			0626 22:59 RT
Ethylene glycol	ND	mg/l	5.0				
Blank Analysis for sample(s) 01 (WG327130-1)							
Alcohol Organics by GC/FID				12 D3695			0626 14:13 RT
Methyl Alcohol	ND	mg/l	2.0				

ALPHA ANALYTICAL  
ADDENDUM I

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REFERENCES

12. Annual Book of ASTM Standards. American Society for Testing and Materials.

GLOSSARY OF TERMS AND SYMBOLS

- REF Reference number in which test method may be found.  
METHOD Method number by which analysis was performed.  
ID Initials of the analyst.  
ND Not detected in comparison to the reported detection limit.  
NI Not Ignitable.  
ug/cart Micrograms per Cartridge.  
H The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.





# Chain of Custody Record

ALPHA Job # L0600797

**Triumvirate Environmental**  
 61 Inner Belt Road  
 Somerville MA 02143  
 Telephone: 617.628.8098  
 Fax: 617.628.8099

**Container Type**  
 P - Plastic  
 G - Glass  
 V - VOA  
 B - BOD Bottle  
 O - Other

**Sample Type**  
 E - Effluent  
 I - Influent  
 DW - Drinking Water  
 GW - Ground water  
 W - Wipe  
 B - Bottom Sed.  
 SG - Sludge  
 S - Soil  
 O - Oil  
 X - Others

**Laboratory:**  
**Alpha Labs**  
 8 Walkup Drive  
 Wastborough MA  
 (508) 898-9220

Site: Bostik  
 Address: Boston St Middleton MA  
 Contact: Scott Cullen Telephone: \_\_\_\_\_  
 Project: T2  
 Purpose: Disposal  
 Frequency: One Time

Rush TAT \_\_\_\_\_ Date: \_\_\_\_\_  
 STD TAT \_\_\_\_\_ Approved By: \_\_\_\_\_  
 PO # 10038 T# : 53287  
 Project Manager: \_\_\_\_\_  
 Data Delivery: ADEx  EMAIL  FAX   
 Email Address: bentry@triumvirate.com  
 Fax Number: (617) 628 - 8099

Please fax all  
 Smart-report to  
 Visoth

Location (Sample ID)	Sample Type	Container		Sampling		Preservation	Laboratory Analysis	Notes
		Size	Type	Date	Time			
T2 VOC - 2 containers 1 sample	E	100mL	VOA	2	6/13	12:00pm	HCl	8260B - methanol and ethyl acetate
T2 Glycol - 2 containers 1 sample	E	1qt	G	2	6/13	12:00pm	None	8430 - ethylene glycol and diethylene glycol

Alpha does not perform this analysis - please forward this sample to a lab that does.

Sampler's Name (Print)	No.	Date	Time	Transfers Relinquished By	Date	Time	Transfers Accepted By
Project Specific Comments: Please reference PO# or T# on all invoice	1	6-13-08	9:30	Jeff Dallyus	6-13-08	15:40	Norman Amelara
	2	6-13-08	9:35	Jeff Dallyus			
	3	6-13-08	9:40	Jeff Dallyus			
	4	6-13-08	9:45	Jeff Dallyus			
	5	6-13-08	11:20	William S. ...	6/13/08	17:05	Jason Yu

Tetrahydrofuran

Xylene

MEK

Toluene

8260B

Wipe Samples

**TICAL**

1kup Drive  
achusetts 01581-1019  
www.alphalab.com  
A0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

**OF ANALYSIS**

**Laboratory Job Number:** L0805902

**Date Received:** 25-APR-2008

**Date Reported:** 02-MAY-2008

**Delivery Method:** Alpha

**Site:** BOSTIK-SOIL SAMPLES VOLATILES

ALPHA SAMPLE NUMBER	GENERAL IDENTIFICATION	SAMPLE LOCATION
L0805902-01	1-CEILING	BOSTON AVE., MIDDLETON, MA
L0805902-02	2-SIDEWALL	BOSTON AVE., MIDDLETON, MA
L0805902-03	3-FLOOR	BOSTON AVE., MIDDLETON, MA
L0805902-04	4-PIPE 1 LEFT	BOSTON AVE., MIDDLETON, MA
L0805902-05	5-PIPE 1 RIGHT	BOSTON AVE., MIDDLETON, MA
L0805902-06	6-PIPE 2 LEFT	BOSTON AVE., MIDDLETON, MA
L0805902-07	7-PIPE 2 RIGHT	BOSTON AVE., MIDDLETON, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report...

Authorized by: *Christopher Woodford*

Technical Director

ALPHA ANALYTICAL

Eight Walkup Drive  
Westborough, Massachusetts 01581-1019  
(508) 898-9220 www.alphalab.com  
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Triumvirate Environmental      Laboratory Job Number: L0805902  
Address: 61 Inner Belt Road      Date Received: 25-APR-2008  
Somerville, MA 02143      Date Reported: 08-MAY-2008  
Attn: Ms. Britt Gentry      Delivery Method: Alpha  
Project Number:      Site: BOSTIK-SOIL SAMPLES VOLATILES

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ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0805902-01	1-CEILING	BOSTON AVE., MIDDLETON, MA
L0805902-02	2-SIDEWALL	BOSTON AVE., MIDDLETON, MA
L0805902-03	3-FLOOR	BOSTON AVE., MIDDLETON, MA
L0805902-04	4-PIPE 1 LEFT	BOSTON AVE., MIDDLETON, MA
L0805902-05	5-PIPE 1 RIGHT	BOSTON AVE., MIDDLETON, MA
L0805902-06	6-PIPE 2 LEFT	BOSTON AVE., MIDDLETON, MA
L0805902-07	7-PIPE 2 RIGHT	BOSTON AVE., MIDDLETON, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

---

Authorized by: Paul J. Weston  
Technical Representative

ALPHA ANALYTICAL  
NARRATIVE REPORT

Laboratory Job Number: L0805902

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Report Submission

This report replaces the report issued May 2, 2008. At the client's request, the Volatile Organics data on samples L0805902-01 through -07 were assessed to determine the presence of Ethyl Acetate as a TIC. This analyte was not present in any of the samples or the associated method blank.

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Sample Receipt

TCLP Volatile Organics could not be performed due to the matrix of the samples; total Volatile Organics by method 8260 was performed instead.

ALPHA ANALYTICAL  
 CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0805902-01

Date Collected: 25-APR-2008 07:30

1-CEILING

Date Received : 25-APR-2008

Sample Matrix:

WIPE

Date Reported : 08-MAY-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260					1 8260B		0501 10:34 BN
Methylene chloride	ND	ug Abs	5.0				
1,1-Dichloroethane	ND	ug Abs	0.75				
Chloroform	ND	ug Abs	0.75				
Carbon tetrachloride	ND	ug Abs	0.50				
1,2-Dichloropropane	ND	ug Abs	1.8				
Dibromochloromethane	ND	ug Abs	0.50				
1,1,2-Trichloroethane	ND	ug Abs	0.75				
Tetrachloroethene	ND	ug Abs	0.50				
Chlorobenzene	ND	ug Abs	0.50				
Trichlorofluoromethane	ND	ug Abs	2.5				
1,2-Dichloroethane	ND	ug Abs	0.50				
1,1,1-Trichloroethane	ND	ug Abs	0.50				
Bromodichloromethane	ND	ug Abs	0.50				
trans-1,3-Dichloropropene	ND	ug Abs	0.50				
cis-1,3-Dichloropropene	ND	ug Abs	0.50				
1,1-Dichloropropene	ND	ug Abs	2.5				
Bromoform	ND	ug Abs	2.0				
1,1,2,2-Tetrachloroethane	ND	ug Abs	0.50				
Benzene	ND	ug Abs	0.50				
Toluene	ND	ug Abs	0.75				
Ethylbenzene	ND	ug Abs	0.50				
Chloromethane	ND	ug Abs	2.5				
Bromomethane	ND	ug Abs	1.0				
Vinyl chloride	ND	ug Abs	1.0				
Chloroethane	ND	ug Abs	1.0				
1,1-Dichloroethene	ND	ug Abs	0.50				
trans-1,2-Dichloroethene	ND	ug Abs	0.75				
Trichloroethene	ND	ug Abs	0.50				
1,2-Dichlorobenzene	ND	ug Abs	2.5				
1,3-Dichlorobenzene	ND	ug Abs	2.5				
1,4-Dichlorobenzene	ND	ug Abs	2.5				
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	ND	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805902-01  
1-CEILING

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0501 10:34 BN		
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	119	%		70-130			
Toluene-d8	102	%		70-130			
4-Bromofluorobenzene	95.0	%		70-130			
Dibromofluoromethane	121	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I



ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805902-02  
2-SIDEWALL

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0501 11:11		BN
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	118	%		70-130			
Toluene-d8	103	%		70-130			
4-Bromofluorobenzene	99.0	%		70-130			
Dibromofluoromethane	122	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0805902-03

Date Collected: 25-APR-2008 07:30

3-FLOOR

Date Received : 25-APR-2008

Sample Matrix: WIPE

Date Reported : 08-MAY-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260					1	8260B	0501 11:48 BN
Methylene chloride	ND	ug Abs	5.0				
1,1-Dichloroethane	ND	ug Abs	0.75				
Chloroform	ND	ug Abs	0.75				
Carbon tetrachloride	ND	ug Abs	0.50				
1,2-Dichloropropane	ND	ug Abs	1.8				
Dibromochloromethane	ND	ug Abs	0.50				
1,1,2-Trichloroethane	ND	ug Abs	0.75				
Tetrachloroethene	ND	ug Abs	0.50				
Chlorobenzene	ND	ug Abs	0.50				
Trichlorofluoromethane	ND	ug Abs	2.5				
1,2-Dichloroethane	ND	ug Abs	0.50				
1,1,1-Trichloroethane	ND	ug Abs	0.50				
Bromodichloromethane	ND	ug Abs	0.50				
trans-1,3-Dichloropropene	ND	ug Abs	0.50				
cis-1,3-Dichloropropene	ND	ug Abs	0.50				
1,1-Dichloropropene	ND	ug Abs	2.5				
Bromoform	ND	ug Abs	2.0				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Benzene	ND	ug Abs	0.50				
Toluene	ND	ug Abs	0.75				
Ethylbenzene	ND	ug Abs	0.50				
Chloromethane	ND	ug Abs	2.5				
Bromomethane	ND	ug Abs	1.0				
Vinyl chloride	ND	ug Abs	1.0				
Chloroethane	ND	ug Abs	1.0				
1,1-Dichloroethene	ND	ug Abs	0.50				
trans-1,2-Dichloroethene	ND	ug Abs	0.75				
Trichloroethene	ND	ug Abs	0.50				
1,2-Dichlorobenzene	ND	ug Abs	2.5				
1,3-Dichlorobenzene	ND	ug Abs	2.5				
1,4-Dichlorobenzene	ND	ug Abs	2.5				
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	ND	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0805902-03  
3-FLOOR

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0501 11:48		BN
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108	%	70-130				
Toluene-d8	92.0	%	70-130				
4-Bromofluorobenzene	87.0	%	70-130				
Dibromofluoromethane	106	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0805902-04  
4-PIPE 1 LEFT  
Sample Matrix: WIPE

Date Collected: 25-APR-2008 07:30  
Date Received : 25-APR-2008  
Date Reported : 08-MAY-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260				1 8260B		0501 12:24	BN
Methylene chloride	ND	ug Abs	5.0				
1,1-Dichloroethane	ND	ug Abs	0.75				
Chloroform	ND	ug Abs	0.75				
Carbon tetrachloride	ND	ug Abs	0.50				
1,2-Dichloropropane	ND	ug Abs	1.8				
Dibromochloromethane	ND	ug Abs	0.50				
1,1,2-Trichloroethane	ND	ug Abs	0.75				
Tetrachloroethene	ND	ug Abs	0.50				
Chlorobenzene	ND	ug Abs	0.50				
Trichlorofluoromethane	ND	ug Abs	2.5				
1,2-Dichloroethane	ND	ug Abs	0.50				
1,1,1-Trichloroethane	ND	ug Abs	0.50				
Bromodichloromethane	ND	ug Abs	0.50				
trans-1,3-Dichloropropene	ND	ug Abs	0.50				
cis-1,3-Dichloropropene	ND	ug Abs	0.50				
1,1-Dichloropropene	ND	ug Abs	2.5				
Bromoform	ND	ug Abs	2.0				
1,1,2,2-Tetrachloroethane	ND	ug Abs	0.50				
Benzene	ND	ug Abs	0.50				
Toluene	ND	ug Abs	0.75				
Ethylbenzene	ND	ug Abs	0.50				
Chloromethane	ND	ug Abs	2.5				
Bromomethane	ND	ug Abs	1.0				
Vinyl chloride	ND	ug Abs	1.0				
Chloroethane	ND	ug Abs	1.0				
1,1-Dichloroethene	ND	ug Abs	0.50				
trans-1,2-Dichloroethene	ND	ug Abs	0.75				
Trichloroethene	ND	ug Abs	0.50				
1,2-Dichlorobenzene	ND	ug Abs	2.5				
1,3-Dichlorobenzene	ND	ug Abs	2.5				
1,4-Dichlorobenzene	ND	ug Abs	2.5				
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	1.7	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0805902-04  
4-PIPE 1 LEFT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0501 12:24	BN
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	119	%	70-130				
Toluene-d8	103	%	70-130				
4-Bromofluorobenzene	98.0	%	70-130				
Dibromofluoromethane	119	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I



**ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0805902-05  
5-PIPE 1 RIGHT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	0501 13:01 BN	
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	117	%		70-130			
Toluene-d8	101	%		70-130			
4-Bromofluorobenzene	97.0	%		70-130			
Dibromofluoromethane	119	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
 CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0805902-06  
 6-PIPE 2 LEFT  
 Sample Matrix: WIPE

Date Collected: 25-APR-2008 07:30  
 Date Received : 25-APR-2008  
 Date Reported : 08-MAY-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260				1 8260B		0501 13:37	BN
Methylene chloride	ND	ug Abs	5.0				
1,1-Dichloroethane	ND	ug Abs	0.75				
Chloroform	ND	ug Abs	0.75				
Carbon tetrachloride	ND	ug Abs	0.50				
1,2-Dichloropropane	ND	ug Abs	1.8				
Dibromochloromethane	ND	ug Abs	0.50				
1,1,2-Trichloroethane	ND	ug Abs	0.75				
Tetrachloroethene	ND	ug Abs	0.50				
Chlorobenzene	ND	ug Abs	0.50				
Trichlorofluoromethane	ND	ug Abs	2.5				
1,2-Dichloroethane	ND	ug Abs	0.50				
1,1,1-Trichloroethane	ND	ug Abs	0.50				
Bromodichloromethane	ND	ug Abs	0.50				
trans-1,3-Dichloropropene	ND	ug Abs	0.50				
cis-1,3-Dichloropropene	ND	ug Abs	0.50				
1,1-Dichloropropene	ND	ug Abs	2.5				
Bromoform	ND	ug Abs	2.0				
1,1,2,2-Tetrachloroethane	ND	ug Abs	0.50				
Benzene	ND	ug Abs	0.50				
Toluene	ND	ug Abs	0.75				
Ethylbenzene	ND	ug Abs	0.50				
Chloromethane	ND	ug Abs	2.5				
Bromomethane	ND	ug Abs	1.0				
Vinyl chloride	ND	ug Abs	1.0				
Chloroethane	ND	ug Abs	1.0				
1,1-Dichloroethene	ND	ug Abs	0.50				
trans-1,2-Dichloroethene	ND	ug Abs	0.75				
Trichloroethene	ND	ug Abs	0.50				
1,2-Dichlorobenzene	ND	ug Abs	2.5				
1,3-Dichlorobenzene	ND	ug Abs	2.5				
1,4-Dichlorobenzene	ND	ug Abs	2.5				
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	ND	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805902-06  
6-PIPE 2 LEFT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0501 13:37	BN
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	118	%		70-130			
Toluene-d8	103	%		70-130			
4-Bromofluorobenzene	99.0	%		70-130			
Dibromofluoromethane	121	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I



ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805902-07  
7-PIPE 2 RIGHT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0501 14:14	BN
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate (s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	119	%		70-130			
Toluene-d8	101	%		70-130			
4-Bromofluorobenzene	96.0	%		70-130			
Dibromofluoromethane	111	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0805902

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by GC/MS 8260 for sample(s) 01-07 (WG320346-1, WG320346-2)					
Chlorobenzene	91	94	3	30	60-133
Benzene	108	111	3	30	66-142
Toluene	96	96	0	30	59-139
1,1-Dichloroethene	97	110	13	30	59-172
Trichloroethene	102	110	8	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	118	115	3		70-130
Toluene-d8	103	102	1		70-130
4-Bromofluorobenzene	100	98	2		70-130
Dibromofluoromethane	114	119	4		70-130

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805902

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-07 (WG320346-3)							
Volatile Organics by GC/MS 8260				1	8260B	0501 09:22 BN	
Methylene chloride	ND	ug Abs	5.0				
1,1-Dichloroethane	ND	ug Abs	0.75				
Chloroform	ND	ug Abs	0.75				
Carbon tetrachloride	ND	ug Abs	0.50				
1,2-Dichloropropane	ND	ug Abs	1.8				
Dibromochloromethane	ND	ug Abs	0.50				
1,1,2-Trichloroethane	ND	ug Abs	0.75				
Tetrachloroethene	ND	ug Abs	0.50				
Chlorobenzene	ND	ug Abs	0.50				
Trichlorofluoromethane	ND	ug Abs	2.5				
1,2-Dichloroethane	ND	ug Abs	0.50				
1,1,1-Trichloroethane	ND	ug Abs	0.50				
Bromodichloromethane	ND	ug Abs	0.50				
trans-1,3-Dichloropropene	ND	ug Abs	0.50				
cis-1,3-Dichloropropene	ND	ug Abs	0.50				
1,1-Dichloropropene	ND	ug Abs	2.5				
Bromoform	ND	ug Abs	2.0				
1,1,2,2-Tetrachloroethane	ND	ug Abs	0.50				
Benzene	ND	ug Abs	0.50				
Toluene	ND	ug Abs	0.75				
Ethylbenzene	ND	ug Abs	0.50				
Chloromethane	ND	ug Abs	2.5				
Bromomethane	ND	ug Abs	1.0				
Vinyl chloride	ND	ug Abs	1.0				
Chloroethane	ND	ug Abs	1.0				
1,1-Dichloroethene	ND	ug Abs	0.50				
trans-1,2-Dichloroethene	ND	ug Abs	0.75				
Trichloroethene	ND	ug Abs	0.50				
1,2-Dichlorobenzene	ND	ug Abs	2.5				
1,3-Dichlorobenzene	ND	ug Abs	2.5				
1,4-Dichlorobenzene	ND	ug Abs	2.5				
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	ND	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805902

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-07 (WG320346-3)							
Volatile Organics by GC/MS 8260 cont'd				1 8260B			0501 09:22 BN
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	120	%		70-130			
Toluene-d8	101	%		70-130			
4-Bromofluorobenzene	103	%		70-130			
Dibromofluoromethane	118	%		70-130			

ALPHA ANALYTICAL  
ADDENDUM I

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REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.



PROVIDING LONG TERM, INNOVATIVE SOLUTIONS

# Chain of Custody Record

ALPHA Job # L0805902

Page: 1 Of: 1

**Triumvirate Environmental**  
 61 Inner Belt Road  
 Somerville MA 02143  
 Telephone: 617.628.8098  
 Fax: 617.628.8099

**Container Type**  
 P - Plastic  
 G - Glass  
 V - VOA  
 B - BOD Bottle  
 O - Other

**Sample Type**  
 E - Effluent  
 I - Influent  
 DW - Drinking Water  
 GW - Ground water  
 W - Wipe  
 B - Bottom Sed.  
 SG - Sludge  
 S - Soil  
 O - Oil  
 X - Others

**Laboratory:** **Alpha Labs**  
 8 Walkup Drive  
 Wastborough MA  
 (508) 898-9220

Site: Bostik  
 Address: Boston Ave  
Middleton MA  
 Contact: Britt Gentry Telephone: 617 715 8931  
 Project: Soil Samples Volatiles  
 Purpose: Lead Analysis  
 Frequency: One time

Rush TAT \_\_\_\_\_ Date: \_\_\_\_\_  
 STD TAT X Approved By: \_\_\_\_\_  
 PO # 9623 T#: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Data Delivery: ADEx  EMAIL  FAX   
 Email Address: bgentry@triumvirate.com  
 Fax Number: (617) 628 - 8099

Sample Identification	Sample Type	Container			Sampling		Preservative	Laboratory Analysis	Notes
		Size	Type	#	Date	Time			
1 - Ceiling	Soil	500g	A	1	4/25	7:30am	A	TCLP VOCs 8260B	
2 - Sidewall	Soil	500g	A	1	4/25	7:30am	A	TCLP VOCs 8260B	
3 - Floor	Soil	500g	A	1	4/25	7:30am	A	TCLP VOCs 8260B	
4 - Pipe 1 Left	Soil	500g	A	1	4/25	7:30am	A	TCLP VOCs 8260B	
5 - Pipe 1 Right	Soil	500g	A	1	4/25	7:30am	A	TCLP VOCs 8260B	
6 - Pipe 2 Left	Soil	500g	A	1	4/25	7:30am	A	TCLP VOCs 8260B	
7 - Pipe 2 Right	Soil	500g	A	1	4/25	7:30am	A	TCLP VOCs 8260B	

Sampler's Name (Print)	No.	Date	Time	Transfers Relinquished By	Date	Time	Transfers Accepted By
Project Specific Comments: Please reference PO# or T# on all invoice	1	4-25-08	12:49	<i>[Signature]</i>	4/25/08	12:49	<i>T.F. Coey</i>
	2						
	3						
	4						



**"Burke, David"**  
<dburke@triumvirate.com>  
07/17/2008 12:02 PM

To **"Dan Welch"** <dan.welch@bostik-us.com>, **"Scott Cullen"**  
<scott.cullen@bostik-us.com>  
cc  
bcc  
Subject **Analysis**

Hey Dan / Scott,

The analysis for T1 is attached. The rinseate sample hit for some items, which is somewhat normal since it was a haz waste tank, but the wipe sample analysis came up clean, which is what we wanted. I'm not sure if Stephen is going to want us to re-rinse and sample b/c of the hits, I would think not since the wipe samples were clean.

However, the methanol and ethylene glycol can't be tested by wipe sample, so since they were present in the rinseate, we don't have wipe analysis to show they were removed. Review the data and let me know if you think we need to re-rinse. Thanks.

Regards,

Dave



**David Burke**

Corporate Director of Business Development

Triumvirate Environmental  
800.966.9282 x8966

(617) 592-2146 (cell)

[www.triumvirate.com](http://www.triumvirate.com)



ALPHA ANALYTICAL

Eight Walkup Drive  
Westborough, Massachusetts 01581-1019  
(508) 898-9220 www.alphalab.com  
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Triumvirate Environmental      Laboratory Job Number: L0809883  
Address: 61 Inner Belt Road      Date Received: 03-JUL-2008  
Somerville, MA 02143      Date Reported: 11-JUL-2008  
Attn: Ms. Britt Gentry      Delivery Method: Alpha  
Project Number:      Site: BOSTIK

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0809883-01	T1 VOC	BOSTON ST. MIDDLETON, MA
L0809883-02	T1 GLYCOL	BOSTON ST. MIDDLETON, MA
L0809883-03	T1- WIPE BOTTOM	BOSTON ST. MIDDLETON, MA
L0809883-04	T1- WIPE TOP	BOSTON ST. MIDDLETON, MA
L0809883-05	T1- WIPE SIDE	BOSTON ST. MIDDLETON, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Michelle M. Morris  
Technical Representative

ALPHA ANALYTICAL  
NARRATIVE REPORT

Laboratory Job Number: L0809883

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The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Report Submission

At the client's request, sample L0809883-02 was analyzed for the Alcohol analysis.

Volatile Organics

L0809883-01: The pH of the sample was determined to be greater than two. Samples that have a pH of greater than two should be analyzed within 7 days of collection; therefore, the Aromatic Compounds were analyzed with the method required holding time exceeded.

L0809883-01 has elevated detection limits due to the 1000x dilution required by the elevated concentrations of target compounds in the sample.

L0809883-01 and -03 through -05 were assessed for the presence of Ethyl Acetate as a TIC. The compound was not present (RL of 1000ppb).

Alcohol

L0809883-02 has an elevated detection limit due to the 10x dilution required by the elevated concentrations of target compounds in the sample..

Glycol

L0809883-02 and WG328731-4 Duplicate have elevated detection limits due to the 10x dilutions required by the elevated concentrations of target compounds in the samples.

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0809883-01

Date Collected: 01-JUL-2008 12:00

T1 VOC

Date Received : 03-JUL-2008

Sample Matrix:

WATER

Date Reported : 11-JUL-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260				1 8260B		0710 14:13 PD	
Methylene chloride	ND	ug/l	5000				
1,1-Dichloroethane	ND	ug/l	750				
Chloroform	ND	ug/l	750				
Carbon tetrachloride	ND	ug/l	500				
1,2-Dichloropropane	ND	ug/l	1800				
Dibromochloromethane	ND	ug/l	500				
1,1,2-Trichloroethane	ND	ug/l	750				
Tetrachloroethene	ND	ug/l	500				
Chlorobenzene	ND	ug/l	500				
Trichlorofluoromethane	ND	ug/l	2500				
1,2-Dichloroethane	ND	ug/l	500				
1,1,1-Trichloroethane	ND	ug/l	500				
Bromodichloromethane	ND	ug/l	500				
trans-1,3-Dichloropropene	ND	ug/l	500				
cis-1,3-Dichloropropene	ND	ug/l	500				
1,1-Dichloropropene	ND	ug/l	2500				
Bromoform	ND	ug/l	2000				
1,1,2,2-Tetrachloroethane	ND	ug/l	500				
Benzene	ND	ug/l	500				
Toluene	790	ug/l	750				
Ethylbenzene	19000	ug/l	500				
Chloromethane	ND	ug/l	2500				
Bromomethane	ND	ug/l	1000				
Vinyl chloride	ND	ug/l	1000				
Chloroethane	ND	ug/l	1000				
1,1-Dichloroethene	ND	ug/l	500				
trans-1,2-Dichloroethene	ND	ug/l	750				
Trichloroethene	ND	ug/l	500				
1,2-Dichlorobenzene	ND	ug/l	2500				
1,3-Dichlorobenzene	ND	ug/l	2500				
1,4-Dichlorobenzene	ND	ug/l	2500				
Methyl tert butyl ether	ND	ug/l	1000				
p/m-Xylene	60000	ug/l	1000				
o-Xylene	16000	ug/l	1000				
cis-1,2-Dichloroethene	ND	ug/l	500				
Dibromomethane	ND	ug/l	5000				
1,4-Dichlorobutane	ND	ug/l	5000				
1,2,3-Trichloropropane	ND	ug/l	5000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0809883-01  
T1 VOC

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0710 14:13 PD		
Styrene	ND	ug/l	1000				
Dichlorodifluoromethane	ND	ug/l	5000				
Acetone	ND	ug/l	5000				
Carbon disulfide	ND	ug/l	5000				
2-Butanone	ND	ug/l	5000				
Vinyl acetate	ND	ug/l	5000				
4-Methyl-2-pentanone	ND	ug/l	5000				
2-Hexanone	ND	ug/l	5000				
Ethyl methacrylate	ND	ug/l	5000				
Acrylonitrile	ND	ug/l	5000				
Bromochloromethane	ND	ug/l	2500				
Tetrahydrofuran	61000	ug/l	10000				
2,2-Dichloropropane	ND	ug/l	2500				
1,2-Dibromoethane	ND	ug/l	2000				
1,3-Dichloropropane	ND	ug/l	2500				
1,1,1,2-Tetrachloroethane	ND	ug/l	500				
Bromobenzene	ND	ug/l	2500				
n-Butylbenzene	ND	ug/l	500				
sec-Butylbenzene	ND	ug/l	500				
tert-Butylbenzene	ND	ug/l	2500				
o-Chlorotoluene	ND	ug/l	2500				
p-Chlorotoluene	ND	ug/l	2500				
1,2-Dibromo-3-chloropropane	ND	ug/l	2500				
Hexachlorobutadiene	ND	ug/l	500				
Isopropylbenzene	ND	ug/l	500				
p-Isopropyltoluene	ND	ug/l	500				
Naphthalene	ND	ug/l	2500				
n-Propylbenzene	ND	ug/l	500				
1,2,3-Trichlorobenzene	ND	ug/l	2500				
1,2,4-Trichlorobenzene	ND	ug/l	2500				
1,3,5-Trimethylbenzene	ND	ug/l	2500				
1,2,4-Trimethylbenzene	ND	ug/l	2500				
trans-1,4-Dichloro-2-butene	ND	ug/l	2500				
Ethyl ether	ND	ug/l	2500				
Surrogate (s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	107	%		70-130			
Toluene-d8	104	%		70-130			
4-Bromofluorobenzene	103	%		70-130			
Dibromofluoromethane	101	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0809883-02  
T1 GLYCOL  
Sample Matrix: WATER

Date Collected: 01-JUL-2008 12:00  
Date Received : 03-JUL-2008  
Date Reported : 11-JUL-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Glycol Organics by GC/FID				12 E202			0710 16:17 RT
Ethylene glycol	180	mg/l	50				
Alcohol Organics by GC/FID				12 D3695			0709 17:06 RT
Methyl Alcohol	240	mg/l	20				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0809883-03  
 T1- WIPE BOTTOM  
 Sample Matrix: WIPE  
 Condition of Sample: Satisfactory  
 Number & Type of Containers: 1-Vial

Date Collected: 01-JUL-2008 12:00  
 Date Received : 03-JUL-2008  
 Date Reported : 11-JUL-2008  
 Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260				1 8260B		0710 10:46 PD	
Methylene chloride	ND	ug Abs	5.0				
1,1-Dichloroethane	ND	ug Abs	0.75				
Chloroform	ND	ug Abs	0.75				
Carbon tetrachloride	ND	ug Abs	0.50				
1,2-Dichloropropane	ND	ug Abs	1.8				
Dibromochloromethane	ND	ug Abs	0.50				
-1,1,2-Trichloroethane	ND	ug Abs	0.75				
Tetrachloroethene	ND	ug Abs	0.50				
Chlorobenzene	ND	ug Abs	0.50				
Trichlorofluoromethane	ND	ug Abs	2.5				
1,2-Dichloroethane	ND	ug Abs	0.50				
1,1,1-Trichloroethane	ND	ug Abs	0.50				
Bromodichloromethane	ND	ug Abs	0.50				
trans-1,3-Dichloropropene	ND	ug Abs	0.50				
cis-1,3-Dichloropropene	ND	ug Abs	0.50				
1,1-Dichloropropene	ND	ug Abs	2.5				
Bromoform	ND	ug Abs	2.0				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Benzene	ND	ug Abs	0.50				
Toluene	ND	ug Abs	0.75				
Ethylbenzene	ND	ug Abs	0.50				
Chloromethane	ND	ug Abs	2.5				
Bromomethane	ND	ug Abs	1.0				
Vinyl chloride	ND	ug Abs	1.0				
Chloroethane	ND	ug Abs	1.0				
1,1-Dichloroethene	ND	ug Abs	0.50				
trans-1,2-Dichloroethene	ND	ug Abs	0.75				
Trichloroethene	ND	ug Abs	0.50				
1,2-Dichlorobenzene	ND	ug Abs	2.5				
1,3-Dichlorobenzene	ND	ug Abs	2.5				
1,4-Dichlorobenzene	ND	ug Abs	2.5				
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	ND	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0809883-03  
T1- WIPE BOTTOM

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0710 10:46 PD	
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105	%	70-130				
Toluene-d8	103	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	98.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0809883-04  
 T1- WIPE TOP  
 Sample Matrix: WIPE

Date Collected: 01-JUL-2008 12:00  
 Date Received : 03-JUL-2008  
 Date Reported : 11-JUL-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260				1 8260B		0710 11:23 PD	
Methylene chloride	ND	ug Abs	5.0				
1,1-Dichloroethane	ND	ug Abs	0.75				
Chloroform	ND	ug Abs	0.75				
Carbon tetrachloride	ND	ug Abs	0.50				
1,2-Dichloropropane	ND	ug Abs	1.8				
Dibromochloromethane	ND	ug Abs	0.50				
1,1,2-Trichloroethane	ND	ug Abs	0.75				
Tetrachloroethene	ND	ug Abs	0.50				
Chlorobenzene	ND	ug Abs	0.50				
Trichlorofluoromethane	ND	ug Abs	2.5				
1,2-Dichloroethane	ND	ug Abs	0.50				
1,1,1-Trichloroethane	ND	ug Abs	0.50				
Bromodichloromethane	ND	ug Abs	0.50				
trans-1,3-Dichloropropene	ND	ug Abs	0.50				
cis-1,3-Dichloropropene	ND	ug Abs	0.50				
1,1-Dichloropropene	ND	ug Abs	2.5				
Bromoform	ND	ug Abs	2.0				
1,1,2,2-Tetrachloroethane	ND	ug Abs	0.50				
Benzene	ND	ug Abs	0.50				
Toluene	ND	ug Abs	0.75				
Ethylbenzene	ND	ug Abs	0.50				
Chloromethane	ND	ug Abs	2.5				
Bromomethane	ND	ug Abs	1.0				
Vinyl chloride	ND	ug Abs	1.0				
Chloroethane	ND	ug Abs	1.0				
1,1-Dichloroethene	ND	ug Abs	0.50				
trans-1,2-Dichloroethene	ND	ug Abs	0.75				
Trichloroethene	ND	ug Abs	0.50				
1,2-Dichlorobenzene	ND	ug Abs	2.5				
1,3-Dichlorobenzene	ND	ug Abs	2.5				
1,4-Dichlorobenzene	ND	ug Abs	2.5				
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	ND	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0809883-04  
T1- WIPE TOP

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B	0710 11:23 PD		
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	104	%	70-130				
Toluene-d8	105	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	94.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0809883-05	Date Collected: 01-JUL-2008 12:00
Sample Matrix: T1- WIPE SIDE	Date Received : 03-JUL-2008
Sample Matrix: WIPE	Date Reported : 11-JUL-2008
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260				1 8260B		0710 11:59 PD	
Methylene chloride	ND	ug Abs	5.0				
1,1-Dichloroethane	ND	ug Abs	0.75				
Chloroform	ND	ug Abs	0.75				
Carbon tetrachloride	ND	ug Abs	0.50				
1,2-Dichloropropane	ND	ug Abs	1.8				
Dibromochloromethane	ND	ug Abs	0.50				
1,1,2-Trichloroethane	ND	ug Abs	0.75				
Tetrachloroethene	ND	ug Abs	0.50				
Chlorobenzene	ND	ug Abs	0.50				
Trichlorofluoromethane	ND	ug Abs	2.5				
1,2-Dichloroethane	ND	ug Abs	0.50				
1,1,1-Trichloroethane	ND	ug Abs	0.50				
Bromodichloromethane	ND	ug Abs	0.50				
trans-1,3-Dichloropropene	ND	ug Abs	0.50				
cis-1,3-Dichloropropene	ND	ug Abs	0.50				
1,1-Dichloropropene	ND	ug Abs	2.5				
Bromoform	ND	ug Abs	2.0				
1,1,2,2-Tetrachloroethane	ND	ug Abs	0.50				
Benzene	ND	ug Abs	0.50				
Toluene	ND	ug Abs	0.75				
Ethylbenzene	ND	ug Abs	0.50				
Chloromethane	ND	ug Abs	2.5				
Bromomethane	ND	ug Abs	1.0				
Vinyl chloride	ND	ug Abs	1.0				
Chloroethane	ND	ug Abs	1.0				
1,1-Dichloroethene	ND	ug Abs	0.50				
trans-1,2-Dichloroethene	ND	ug Abs	0.75				
Trichloroethene	ND	ug Abs	0.50				
1,2-Dichlorobenzene	ND	ug Abs	2.5				
1,3-Dichlorobenzene	ND	ug Abs	2.5				
1,4-Dichlorobenzene	ND	ug Abs	2.5				
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	ND	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0809883-05  
T1- WIPE SIDE

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0710 11:59 PD	
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
-Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	103	%		70-130			
Toluene-d8	102	%		70-130			
4-Bromofluorobenzene	104	%		70-130			
Dibromofluoromethane	90.0	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL  
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0809883

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Glycol Organics by GC/FID for sample(s) 02 (L0809883-02, WG328731-4)					
Ethylene glycol	180	220	mg/l	20	40
Alcohol Organics by GC/FID for sample(s) 02 (L0809766-01, WG328561-4)					
Methyl Alcohol	ND	ND	mg/l	NC	40
Ethyl Alcohol	ND	ND	mg/l	NC	40
n-Propyl Alcohol	ND	ND	mg/l	NC	40
iso-Propyl Alcohol	ND	ND	mg/l	NC	40
iso-Butyl Alcohol	ND	ND	mg/l	NC	40
n-Butyl Alcohol	ND	ND	mg/l	NC	40
sec-Butyl Alcohol	ND	ND	mg/l	NC	40
tert-Butyl Alcohol	ND	ND	mg/l	NC	40

ALPHA ANALYTICAL  
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0809883

Parameter	% Recovery	QC Criteria
Glycol Organics by GC/FID LCS for sample(s) 02 (WG328731-2)		
Ethylene glycol	80	40-140
Alcohol Organics by GC/FID LCS for sample(s) 02 (WG328561-2)		
Methyl Alcohol	109	70-130
Ethyl Alcohol	98	70-130
n-Propyl Alcohol	110	70-130
iso-Propyl Alcohol	110	70-130
iso-Butyl Alcohol	108	70-130
n-Butyl Alcohol	107	70-130
sec-Butyl Alcohol	107	70-130
tert-Butyl Alcohol	107	70-130
Glycol Organics by GC/FID SPIKE for sample(s) 02 (L0809883-02, WG328731-3)		
Ethylene glycol	83	40-140
Alcohol Organics by GC/FID SPIKE for sample(s) 02 (L0809766-01, WG328561-3)		
Methyl Alcohol	90	70-130
Ethyl Alcohol	89	70-130
n-Propyl Alcohol	92	70-130
iso-Propyl Alcohol	92	70-130
iso-Butyl Alcohol	89	70-130
n-Butyl Alcohol	90	70-130
sec-Butyl Alcohol	89	70-130
tert-Butyl Alcohol	91	70-130

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0809883

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by GC/MS 8260 for sample(s) 01 (WG328582-1, WG328582-2)					
Chlorobenzene	111	92	19	20	75-130
Benzene	106	89	17	20	76-127
Toluene	111	91	20	20	76-125
1,1-Dichloroethene	97	79	20	20	61-145
Trichloroethene	105	86	20	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	105	106	1		70-130
Toluene-d8	105	104	1		70-130
4-Bromofluorobenzene	106	109	3		70-130
Dibromofluoromethane	103	103	0		70-130
Volatile Organics by GC/MS 8260 for sample(s) 03-05 (WG328580-1, WG328580-2)					
Chlorobenzene	106	106	0	30	60-133
Benzene	103	101	2	30	66-142
Toluene	107	105	2	30	59-139
1,1-Dichloroethene	120	113	6	30	59-172
Trichloroethene	116	110	5	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	100	102	2		70-130
Toluene-d8	100	101	1		70-130
4-Bromofluorobenzene	101	96	5		70-130
Dibromofluoromethane	102	105	3		70-130

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0809883

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 02 (WG328731-1)						
Glycol Organics by GC/FID						
Ethylene glycol	ND	mg/l	5.0	12 E202	0710 14:22	RT
Blank Analysis for sample(s) 02 (WG328561-1)						
Alcohol Organics by GC/FID						
Methyl Alcohol	ND	mg/l	2.0	12 D3695	0709 12:06	RT
Ethyl Alcohol	ND	mg/l	2.0			
n-Propyl Alcohol	ND	mg/l	2.0			
iso-Propyl Alcohol	ND	mg/l	2.0			
iso-Butyl Alcohol	ND	mg/l	2.0			
n-Butyl Alcohol	ND	mg/l	2.0			
sec-Butyl Alcohol	ND	mg/l	2.0			
tert-Butyl Alcohol	ND	mg/l	2.0			
Blank Analysis for sample(s) 03-05 (WG328580-3)						
Volatile Organics by GC/MS 8260						
Methylene chloride	ND	ug Abs	5.0	1 8260B	0710 10:09	PD
1,1-Dichloroethane	ND	ug Abs	0.75			
Chloroform	ND	ug Abs	0.75			
Carbon tetrachloride	ND	ug Abs	0.50			
1,2-Dichloropropane	ND	ug Abs	1.8			
Dibromochloromethane	ND	ug Abs	0.50			
1,1,2-Trichloroethane	ND	ug Abs	0.75			
Tetrachloroethene	ND	ug Abs	0.50			
Chlorobenzene	ND	ug Abs	0.50			
Trichlorofluoromethane	ND	ug Abs	2.5			
1,2-Dichloroethane	ND	ug Abs	0.50			
1,1,1-Trichloroethane	ND	ug Abs	0.50			
Bromodichloromethane	ND	ug Abs	0.50			
trans-1,3-Dichloropropene	ND	ug Abs	0.50			
cis-1,3-Dichloropropene	ND	ug Abs	0.50			
1,1-Dichloropropene	ND	ug Abs	2.5			
Bromoform	ND	ug Abs	2.0			
1,1,2,2-Tetrachloroethane	ND	ug Abs	0.50			
Benzene	ND	ug Abs	0.50			
Toluene	ND	ug Abs	0.75			
Ethylbenzene	ND	ug Abs	0.50			
Chloromethane	ND	ug Abs	2.5			
Bromomethane	ND	ug Abs	1.0			
Vinyl chloride	ND	ug Abs	1.0			
Chloroethane	ND	ug Abs	1.0			
1,1-Dichloroethene	ND	ug Abs	0.50			
trans-1,2-Dichloroethene	ND	ug Abs	0.75			
Trichloroethene	ND	ug Abs	0.50			
1,2-Dichlorobenzene	ND	ug Abs	2.5			
1,3-Dichlorobenzene	ND	ug Abs	2.5			
1,4-Dichlorobenzene	ND	ug Abs	2.5			

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0809883

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 03-05 (WG328580-3)							
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0710 10:09 PD	
Methyl tert butyl ether	ND	ug Abs	1.0				
p/m-Xylene	ND	ug Abs	1.0				
o-Xylene	ND	ug Abs	1.0				
cis-1,2-Dichloroethene	ND	ug Abs	0.50				
Dibromomethane	ND	ug Abs	5.0				
1,4-Dichlorobutane	ND	ug Abs	5.0				
1,2,3-Trichloropropane	ND	ug Abs	5.0				
Styrene	ND	ug Abs	1.0				
Dichlorodifluoromethane	ND	ug Abs	5.0				
Acetone	ND	ug Abs	5.0				
Carbon disulfide	ND	ug Abs	5.0				
2-Butanone	ND	ug Abs	5.0				
Vinyl acetate	ND	ug Abs	5.0				
4-Methyl-2-pentanone	ND	ug Abs	5.0				
2-Hexanone	ND	ug Abs	5.0				
Ethyl methacrylate	ND	ug Abs	5.0				
Acrylonitrile	ND	ug Abs	2.0				
Bromochloromethane	ND	ug Abs	2.5				
Tetrahydrofuran	ND	ug Abs	10.				
2,2-Dichloropropane	ND	ug Abs	2.5				
1,2-Dibromoethane	ND	ug Abs	2.0				
1,3-Dichloropropane	ND	ug Abs	2.5				
1,1,1,2-Tetrachloroethane	ND	ug Abs	0.50				
Bromobenzene	ND	ug Abs	2.5				
n-Butylbenzene	ND	ug Abs	0.50				
sec-Butylbenzene	ND	ug Abs	0.50				
tert-Butylbenzene	ND	ug Abs	2.5				
o-Chlorotoluene	ND	ug Abs	2.5				
p-Chlorotoluene	ND	ug Abs	2.5				
1,2-Dibromo-3-chloropropane	ND	ug Abs	2.5				
Hexachlorobutadiene	ND	ug Abs	2.5				
Isopropylbenzene	ND	ug Abs	0.50				
p-Isopropyltoluene	ND	ug Abs	0.50				
Naphthalene	ND	ug Abs	2.5				
n-Propylbenzene	ND	ug Abs	0.50				
1,2,3-Trichlorobenzene	ND	ug Abs	2.5				
1,2,4-Trichlorobenzene	ND	ug Abs	2.5				
1,3,5-Trimethylbenzene	ND	ug Abs	2.5				
1,2,4-Trimethylbenzene	ND	ug Abs	2.5				
trans-1,4-Dichloro-2-butene	ND	ug Abs	2.5				
Ethyl ether	ND	ug Abs	2.5				
Surrogate (s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	109	%	70-130				

ALPHA ANALYTICAL  
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0809883

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 03-05 (WG328580-3)							
Volatile Organics by GC/MS 8260 cont'd				1 8260B			0710 10:09 PD
Dibromofluoromethane	99.0	%	70-130				
Blank Analysis for sample(s) 01 (WG328582-3)							
Volatile Organics by GC/MS 8260				1 8260B			0710 11:11 PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				

ALPHA ANALYTICAL  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0809883

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG328582-3)							
Volatile Organics by GC/MS 8260 cont'd				1	8260B		0710 11:11 PD
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Ethyl methacrylate	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Surrogate(s)	Recovery					QC Criteria	
1,2-Dichloroethane-d4	106	%				70-130	
Toluene-d8	103	%				70-130	
4-Bromofluorobenzene	109	%				70-130	
Dibromofluoromethane	100	%				70-130	

**ALPHA ANALYTICAL  
ADDENDUM I**

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**REFERENCES**

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
12. Annual Book of ASTM Standards. American Society for Testing and Materials.

**GLOSSARY OF TERMS AND SYMBOLS**

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**LIMITATION OF LIABILITIES**

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at its own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.



# Chain of Custody Record

ALPHA Job # L0809483

PROVIDING LONG-TERM, INNOVATIVE SOLUTIONS

**Triumvirate Environmental**  
 61 Inner Belt Road  
 Somerville MA 02143  
 Telephone: 617.628.8098  
 Fax: 617.628.8099

**Container Type**  
 P - Plastic  
 G - Glass  
 V - VOA  
 B - BOD Bottle  
 O - Other

**Sample Type**  
 E - Effluent  
 I - Influent  
 DW - Drinking Water  
 GW - Ground water  
 W - Wipe

B - Bottom Sed.  
 SG - Sludge  
 S - Soil  
 O - Oil  
 X - Others

**Laboratory: Alpha Labs**  
 8 Walkup Drive  
 Wastborough MA  
 (508) 898-9220

Site: Bostik  
 Address: Boston St Middleton MA  
 Contact: Scott Cullen Telephone: \_\_\_\_\_  
 Project: T1  
 Purpose: Disposal  
 Frequency: One Time

Rush TAT \_\_\_\_\_ Date: \_\_\_\_\_  
 STD TAT  Approved By: \_\_\_\_\_  
 PO # 10170 T#: 53606  
 Project Manager: \_\_\_\_\_  
 Data Delivery: ADEx  EMAIL  FAX   
 Email Address: bgency@triumvirate.com  
 Fax Number: (617) 628 - 8099

Location (Sample Identification)	Sample Type	Container			Sampling		Preservative	Laboratory Analysis	Notes
		Size	Type	#	Date	Time			
T1 VOC - 2 containers 1 sample	E	100mL	VOA	2	7/1	12:00pm	HCl	8260B	Run all VOC but include presence of ethyl Alpha does not perform this analysis - please forward this sample to a lab that does.
T1 Glycol - 2 containers 1 sample	E	1qt	G	2	7/1	12:00pm	None	Ethylene glycol by 8015B	
T1 - Wipe Bottom	S	1oz	G	1	7/1	12:00pm	None	VOCs by 8260	
T1 - Wipe Top	S	1oz	G	1	7/1	12:00pm	None	VOCs by 8260	
T1 - Wipe Side	S	1oz	G	1	7/1	12:00pm	None	VOCs by 8260	

Sampler's Name (Print)	No.	Date	Time	Transfers Relinquished By	Date	Time	Transfers Accepted By
<u>VISSITHE CREMB</u> Project Specific Comments: Please reference PO# or T# on all invoice	1	7/3/08	15:06		7/3/08	15:58	
	2	7/3/08	17:00		7/3/08	17:57	
	3						
	4						

**ATTACHMENT 4**

**SOIL BORING ASSESSMENT**

# TRIUMVIRATE ENVIRONMENTAL

PROVIDING LONG-TERM,  
INNOVATIVE SOLUTIONS

August 27, 2008

Daniel Welch, EH&S Manager  
Bostik, Inc.  
High Performance Polymer Division  
211 Boston Street  
Middleton, MA 01949-2128

Via email: dan.welch@bostik-us.com

**Re: Soil Sampling Activity Summary  
Bostik Facility  
211 Boston Street, Middleton, MA  
Project Number 54464**

Dear Mr. Welch:

Triumvirate Environmental, Inc. (TEI), on behalf of Bostik, Inc. (Bostik) performed soil boring and sampling at the referenced site (the Site) on August 21, 2008. The work was performed to meet the requirement of Bostik's Closure Plan, dated May 2007.

On August 21, 2008 two soil borings were advanced via truck mounted direct-push drill rig, utilizing the "Geoprobe" drilling technique. Drilling refusal was encountered at the first location, soil boring B-1, at approximately 3 feet below grade. Drilling was completed in soil boring B-2 at a depth of 15 feet below grade. Refer to the USGS Map and Site Sketch, attached, for soil boring and monitoring well locations and the locations of Site features.

While advancing the boring, continuous soil samples were collected with a Geoprobe sampler and disposable acetate liners. Soil samples were field-screened for the presence of total organic vapors (TOVs) using a RAE Systems MiniRAE 2000 photoionization detector (PID) equipped with a 10.6 electron-Volt lamp and the standard jar headspace analytical screening technique. TOV concentrations for all soil samples were below the instrument detection limit of 1 ppmv. Soil encountered consisted of brown to light brown medium to coarse sand, consistent with fill material. Additional evidence of fill material, fragments of brick, coal and coal ash, were observed in the samples collected up to 11 feet below grade. The water table was encountered at approximately 11 feet below grade. Refer to the boring log, attached, for field screening results and detailed borehole lithology.

Based on the PID headspace screening results, soil samples B-2, 3-7' and B-2, 11-15' from soil boring B-2 were submitted for laboratory analyses. Soil samples were analyzed for the presence of volatile organic compounds (VOCs) via EPA Method 8260, alcohol organics by ASTM Method D3695 and Glycol Organics by ASTM Method E202. Samples were transported to

triumvirate.com

61 Inner Belt Road • Somerville, MA 02143  
800.966.9282 phone • 617.628.8099 fax

1500 Carbon Avenue • Baltimore, MD 21226  
800.404.8037 phone • 410.636.0260 fax

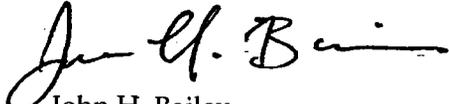
42-14 19th Avenue • Astoria, NY 11105  
800.427.3320 phone • 718.726.7319 fax

Soil Boring Installation and Sampling  
211 Boston Street, Middleton, MA  
Job No. 54464  
Page 2 of 2

Alpha Analytical Laboratories (Alpha) of Westborough, MA under chain of custody protocol. As indicated in the attached laboratory analytical report no compounds were detected above the laboratory reported detection limit.

If you have any questions or comments please contact the undersigned. Thank you.

Sincerely,  
TRIUMVIRATE ENVIRONMENTAL, INC.

  
John H. Bailey  
Engineer

Attachments (4)

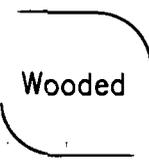
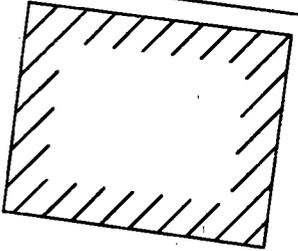
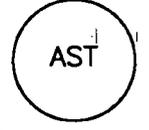
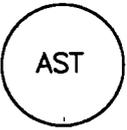
Cc: Scott Cullen, EH&S Supervisor - Bostik, Inc.  
scott.cullen@bostik-us.com





Paved Drive

Building 39



Wooded

General Notes

 Soil Boring Location  
B-1

No.	Revisions/Issues	Date

Triumvirate Environmental, Inc.  
61 Inner Belt Road  
Somerville, MA 02143  
Phone: (800) 966-9282  
Fax: (617) 626-8096

Figure 2: Site Sketch  
Bortik, Inc.  
211 Boston Street  
Middleton, MA

Project: 54484  
Date: 8/27/08  
Scale: APPROX. 1 TO 10



TRIUMVIRATE ENVIRONMENTAL, INC.  
 61 Inner Belt Road  
 Somerville, MA 02143  
 (800) 966-9282, Fax: (617) 628-8099  
 www.Triumvirate.com

# BOREHOLE LOG

Client: Bostik, Inc.	Date: 8/21/08	Job Number: 54464
Location: 211 Boston Street, Middleton, MA	Page: 1 of 1	
Boring Number: B-2	Date Finish: 8/21/08	Drilling Method: Geoprobe
Boring Depth: 15 feet	Casing Length: NA	Screen Length: NA
Boring Dia: 2 inch	Casing Dia: NA	Screen Dia: NA
	Driller: Soil Exploration	Engineer: J. Bailey

Sample Data					Soil Descriptions						
Sample Depth	Sample	Blow per 6 Inches	Percent Recovery	TOV (ppmv)	Borehole Fill	Well Construction	Stratigraphy	Sand/Well Sand	Silt	Peat/Organic	Well Screen
								Gravel	Bentonite / Clay	Fill/Backfill	Static Water
1	X	NA		Ambient 0.0							
2	X			0.0							
3	X										
4	X	NA		0.0							
5	X										
6	X										
7	X	NA		0.2							
8	X										
9	X										
10	X										
11	X	NA		0.0	▼						
12	X										
13	X										
14	X										
15											
16											
17											
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35											

Notes:

2" Asphalt  
 0-4' Brown fine-med SAND, rock fragments, coal piece at 18"  
 4-7' Brown fine-med SAND, 1.5" ash layer 4', wood/root 6' (pine odor)  
 7-11' light brown fine to coarse SAND, ash fragments 9', moist sample  
 11-15' light brown fine to coarse SAND, wood material 11', saturated sample, appears to be native material  
 End boring at 15'  
 Water at 11'



## ANALYTICAL REPORT

Lab Number:	L0812448
Client:	Triumvirate Environmental, Inc. 31 Granite Street Milford, MA 01757
ATTN:	John Bailey
Project Name:	BOSTIK, INC
Project Number:	54464
Report Date:	08/27/08

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** BOSTIK, INC  
**Project Number:** 54464

**Lab Number:** L0812448  
**Report Date:** 08/27/08

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>
L0812448-01	B-2, 3-7'	MIDDLETON, MA
L0812448-02	B-2, 11-15'	MIDDLETON, MA



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

### MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES
For any questions answered "No", please refer to the case narrative section on the following page(s).		

Please note that sample matrix information is located in the Sample Results section of this report.



**Project Name:** BOSTIK, INC  
**Project Number:** 54464

**Lab Number:** L0812448  
**Report Date:** 08/27/08

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### Report Submission

This report replaces the report issued August 26, 2008. A Volatile Organics narrative has been added.

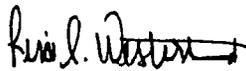
#### MCP Related Narratives

##### Volatile Organics

L0812448-01 and -02 were evaluated for the presence of Ethyl acetate as a TIC. Both samples were non-detect for this analyte.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 08/27/08

# ORGANICS



# VOLATILES



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## SAMPLE RESULTS

Lab ID: L0812448-01  
 Client ID: B-2, 3-7'  
 Sample Location: MIDDLETON, MA  
 Matrix: Soil  
 Analytical Method: 12,D3695  
 Analytical Date: 08/25/08 16:07  
 Analyst: RT  
 Percent Solids: 92%

Date Collected: 08/21/08 09:44  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
-----------	--------	-----------	-------	-----	-----------------

## Alcohol Organics by GC/FID

Methyl Alcohol	ND		mg/kg	11	1
Ethyl Alcohol	ND		mg/kg	11	1
n-Propyl Alcohol	ND		mg/kg	11	1
iso-Propyl Alcohol	ND		mg/kg	11	1
iso-Butyl Alcohol	ND		mg/kg	11	1
n-Butyl Alcohol	ND		mg/kg	11	1
sec-Butyl Alcohol	ND		mg/kg	11	1
tert-Butyl Alcohol	ND		mg/kg	11	1

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## SAMPLE RESULTS

Lab ID: L0812448-01  
 Client ID: B-2, 3-7'  
 Sample Location: MIDDLETON, MA  
 Matrix: Soil  
 Analytical Method: 60,8260B  
 Analytical Date: 08/25/08 18:13  
 Analyst: BN  
 Percent Solids: 92%

Date Collected: 08/21/08 09:44  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
-----------	--------	-----------	-------	-----	-----------------

Volatile Organics by MCP 8260B/5035-Soil Analysis					
---------------------------------------------------	--	--	--	--	--

Methylene chloride	ND		ug/kg	14	1
1,1-Dichloroethane	ND		ug/kg	2.0	1
Chloroform	ND		ug/kg	2.0	1
Carbon tetrachloride	ND		ug/kg	1.4	1
1,2-Dichloropropane	ND		ug/kg	4.8	1
Dibromochloromethane	ND		ug/kg	1.4	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	1
Tetrachloroethene	ND		ug/kg	1.4	1
Chlorobenzene	ND		ug/kg	1.4	1
Trichlorofluoromethane	ND		ug/kg	6.8	1
1,2-Dichloroethane	ND		ug/kg	1.4	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	1
Bromodichloromethane	ND		ug/kg	1.4	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	1
1,1-Dichloropropene	ND		ug/kg	6.8	1
Bromoform	ND		ug/kg	5.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	1
Benzene	ND		ug/kg	1.4	1
Toluene	ND		ug/kg	2.0	1
Ethylbenzene	ND		ug/kg	1.4	1
Chloromethane	ND		ug/kg	6.8	1
Bromomethane	ND		ug/kg	2.7	1
Vinyl chloride	ND		ug/kg	2.7	1
Chloroethane	ND		ug/kg	2.7	1
1,1-Dichloroethene	ND		ug/kg	1.4	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	1
Trichloroethene	ND		ug/kg	1.4	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	1
1,3-Dichlorobenzene	ND		ug/kg	6.8	1



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## SAMPLE RESULTS

Lab ID: L0812448-01  
 Client ID: B-2, 3-7'  
 Sample Location: MIDDLETON, MA

Date Collected: 08/21/08 09:44  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
-----------	--------	-----------	-------	-----	-----------------

Volatile Organics by MCP 8260B/5035-Soil Analysis					
---------------------------------------------------	--	--	--	--	--

1,4-Dichlorobenzene	ND		ug/kg	6.8	1
Methyl tert butyl ether	ND		ug/kg	2.7	1
p/m-Xylene	ND		ug/kg	2.7	1
o-Xylene	ND		ug/kg	2.7	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	1
Dibromomethane	ND		ug/kg	14	1
1,2,3-Trichloropropane	ND		ug/kg	14	1
Styrene	ND		ug/kg	2.7	1
Dichlorodifluoromethane	ND		ug/kg	14	1
Acetone	ND		ug/kg	14	1
Carbon disulfide	ND		ug/kg	68	1
2-Butanone	ND		ug/kg	14	1
4-Methyl-2-pentanone	ND		ug/kg	14	1
2-Hexanone	ND		ug/kg	14	1
Bromochloromethane	ND		ug/kg	6.8	1
Tetrahydrofuran	ND		ug/kg	27	1
2,2-Dichloropropane	ND		ug/kg	6.8	1
1,2-Dibromoethane	ND		ug/kg	5.4	1
1,3-Dichloropropane	ND		ug/kg	6.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	1
Bromobenzene	ND		ug/kg	6.8	1
n-Butylbenzene	ND		ug/kg	1.4	1
sec-Butylbenzene	ND		ug/kg	1.4	1
tert-Butylbenzene	ND		ug/kg	6.8	1
o-Chlorotoluene	ND		ug/kg	6.8	1
p-Chlorotoluene	ND		ug/kg	6.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	1
Hexachlorobutadiene	ND		ug/kg	6.8	1
Isopropylbenzene	ND		ug/kg	1.4	1
p-Isopropyltoluene	ND		ug/kg	1.4	1
Naphthalene	ND		ug/kg	6.8	1
n-Propylbenzene	ND		ug/kg	1.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	1
Ethyl ether	ND		ug/kg	6.8	1



**Project Name:** BOSTIK, INC

**Lab Number:** L0812448

**Project Number:** 54464

**Report Date:** 08/27/08

**SAMPLE RESULTS**

Lab ID: L0812448-01  
 Client ID: B-2, 3-7'  
 Sample Location: MIDDLETON, MA

Date Collected: 08/21/08 09:44  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
-----------	--------	-----------	-------	-----	-----------------

**Volatiles Organics by MCP 8260B/5035-Soil Analysis**

Isopropyl Ether	ND		ug/kg	5.4	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.4	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.4	1
1,4-Dioxane	ND		ug/kg	680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	103		70-130



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## SAMPLE RESULTS

Lab ID: L0812448-02  
 Client ID: B-2, 11-15'  
 Sample Location: MIDDLETON, MA  
 Matrix: Soil  
 Analytical Method: 12,D3695  
 Analytical Date: 08/25/08 15:38  
 Analyst: RT  
 Percent Solids: 90%

Date Collected: 08/21/08 10:15  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
<b>Alcohol Organics by GC/FID</b>					
Methyl Alcohol	ND		mg/kg	11	1
Ethyl Alcohol	ND		mg/kg	11	1
n-Propyl Alcohol	ND		mg/kg	11	1
iso-Propyl Alcohol	ND		mg/kg	11	1
iso-Butyl Alcohol	ND		mg/kg	11	1
n-Butyl Alcohol	ND		mg/kg	11	1
sec-Butyl Alcohol	ND		mg/kg	11	1
tert-Butyl Alcohol	ND		mg/kg	11	1

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## SAMPLE RESULTS

Lab ID: L0812448-02  
 Client ID: B-2, 11-15'  
 Sample Location: MIDDLETON, MA  
 Matrix: Soil  
 Analytical Method: 60,8260B  
 Analytical Date: 08/25/08 18:49  
 Analyst: BN  
 Percent Solids: 90%

Date Collected: 08/21/08 10:15  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
-----------	--------	-----------	-------	-----	-----------------

## Volatile Organics by MCP 8260B/5035-Soil Analysis

Methylene chloride	ND		ug/kg	15	1
1,1-Dichloroethane	ND		ug/kg	2.2	1
Chloroform	ND		ug/kg	2.2	1
Carbon tetrachloride	ND		ug/kg	1.5	1
1,2-Dichloropropane	ND		ug/kg	5.2	1
Dibromochloromethane	ND		ug/kg	1.5	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	1
Tetrachloroethene	ND		ug/kg	1.5	1
Chlorobenzene	ND		ug/kg	1.5	1
Trichlorofluoromethane	ND		ug/kg	7.5	1
1,2-Dichloroethane	ND		ug/kg	1.5	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	1
Bromodichloromethane	ND		ug/kg	1.5	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	1
1,1-Dichloropropene	ND		ug/kg	7.5	1
Bromoform	ND		ug/kg	6.0	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	1
Benzene	ND		ug/kg	1.5	1
Toluene	ND		ug/kg	2.2	1
Ethylbenzene	ND		ug/kg	1.5	1
Chloromethane	ND		ug/kg	7.5	1
Bromomethane	ND		ug/kg	3.0	1
Vinyl chloride	ND		ug/kg	3.0	1
Chloroethane	ND		ug/kg	3.0	1
1,1-Dichloroethene	ND		ug/kg	1.5	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	1
Trichloroethene	ND		ug/kg	1.5	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	1



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## SAMPLE RESULTS

Lab ID: L0812448-02  
 Client ID: B-2, 11-15'  
 Sample Location: MIDDLETON, MA

Date Collected: 08/21/08 10:15  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
-----------	--------	-----------	-------	-----	-----------------

Volatile Organics by MCP 8260B/5035-Soil Analysis					
---------------------------------------------------	--	--	--	--	--

1,4-Dichlorobenzene	ND		ug/kg	7.5	1
Methyl tert butyl ether	ND		ug/kg	3.0	1
p/m-Xylene	ND		ug/kg	3.0	1
o-Xylene	ND		ug/kg	3.0	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	1
Dibromomethane	ND		ug/kg	15	1
1,2,3-Trichloropropane	ND		ug/kg	15	1
Styrene	ND		ug/kg	3.0	1
Dichlorodifluoromethane	ND		ug/kg	15	1
Acetone	ND		ug/kg	15	1
Carbon disulfide	ND		ug/kg	75	1
2-Butanone	ND		ug/kg	15	1
4-Methyl-2-pentanone	ND		ug/kg	15	1
2-Hexanone	ND		ug/kg	15	1
Bromochloromethane	ND		ug/kg	7.5	1
Tetrahydrofuran	ND		ug/kg	30	1
2,2-Dichloropropane	ND		ug/kg	7.5	1
1,2-Dibromoethane	ND		ug/kg	6.0	1
1,3-Dichloropropane	ND		ug/kg	7.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	1
Bromobenzene	ND		ug/kg	7.5	1
n-Butylbenzene	ND		ug/kg	1.5	1
sec-Butylbenzene	ND		ug/kg	1.5	1
tert-Butylbenzene	ND		ug/kg	7.5	1
o-Chlorotoluene	ND		ug/kg	7.5	1
p-Chlorotoluene	ND		ug/kg	7.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	1
Hexachlorobutadiene	ND		ug/kg	7.5	1
Isopropylbenzene	ND		ug/kg	1.5	1
p-Isopropyltoluene	ND		ug/kg	1.5	1
Naphthalene	ND		ug/kg	7.5	1
n-Propylbenzene	ND		ug/kg	1.5	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.5	1
Ethyl ether	ND		ug/kg	7.5	1



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

**SAMPLE RESULTS**

Lab ID: L0812448-02  
 Client ID: B-2, 11-15'  
 Sample Location: MIDDLETON, MA

Date Collected: 08/21/08 10:15  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
-----------	--------	-----------	-------	-----	-----------------

**Volatile Organics by MCP 8260B/5035-Soil Analysis**

Isopropyl Ether	ND		ug/kg	6.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	6.0	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	6.0	1
1,4-Dioxane	ND		ug/kg	750	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 60,8260B  
 Analytical Date: 08/25/08 11:11  
 Analyst: BN

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Soil Analysis for sample(s): 01-02 Batch: WG333958-3				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 60,8260B  
 Analytical Date: 08/25/08 11:11  
 Analyst: BN

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Soil Analysis for sample(s): 01-02 Batch: WG333958-3				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	50
2-Butanone	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
Tetrahydrofuran	ND		ug/kg	20
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
n-Propylbenzene	ND		ug/kg	1.0



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

**Method Blank Analysis**  
Batch Quality Control

Analytical Method: 60,8260B  
Analytical Date: 08/25/08 11:11  
Analyst: BN

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Soil Analysis for sample(s): 01-02 Batch: WG333958-3				
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
Ethyl ether	ND		ug/kg	5.0
Isopropyl Ether	ND		ug/kg	4.0
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0
1,4-Dioxane	ND		ug/kg	500

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

**Method Blank Analysis  
Batch Quality Control**Analytical Method: 12,D3695  
Analytical Date: 08/25/08 13:38  
Analyst: RT

Parameter	Result	Qualifier	Units	RDL
Alcohol Organics by GC/FID for sample(s): 01-02 Batch: WG333960-1				
Methyl Alcohol	ND		mg/kg	10
Ethyl Alcohol	ND		mg/kg	10
n-Propyl Alcohol	ND		mg/kg	10
iso-Propyl Alcohol	ND		mg/kg	10
iso-Butyl Alcohol	ND		mg/kg	10
n-Butyl Alcohol	ND		mg/kg	10
sec-Butyl Alcohol	ND		mg/kg	10
tert-Butyl Alcohol	ND		mg/kg	10

## Lab Control Sample Analysis

Batch Quality Control

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Soil Analysis Associated sample(s): 01-02 Batch: WG333958-1 WG333958-2					
Methylene chloride	91	95	70-130	4	25
1,1-Dichloroethane	90	93	70-130	3	25
Chloroform	88	92	70-130	4	25
Carbon tetrachloride	85	91	70-130	7	25
1,2-Dichloropropane	91	94	70-130	3	25
Dibromochloromethane	95	95	70-130	0	25
1,1,2-Trichloroethane	94	96	70-130	2	25
Tetrachloroethene	85	90	70-130	6	25
Chlorobenzene	88	91	70-130	3	25
Trichlorofluoromethane	92	96	70-130	4	25
1,2-Dichloroethane	89	90	70-130	1	25
1,1,1-Trichloroethane	86	91	70-130	6	25
Bromodichloromethane	89	92	70-130	3	25
trans-1,3-Dichloropropene	95	98	70-130	3	25
cis-1,3-Dichloropropene	95	96	70-130	1	25
1,1-Dichloropropene	89	92	70-130	3	25
Bromoform	95	96	70-130	1	50
1,1,1,2-Tetrachloroethane	102	100	70-130	2	25
Benzene	89	92	70-130	3	25
Toluene	90	91	70-130	1	25
Ethylbenzene	90	93	70-130	3	25

## Lab Control Sample Analysis

Batch Quality Control

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Soil Analysis Associated sample(s): 01-02 Batch: WG333958-1 WG333958-2					
Chloromethane	81	86	70-130	6	50
Bromomethane	88	86	70-130	2	50
Vinyl chloride	82	88	70-130	7	25
Chloroethane	85	92	70-130	8	25
1,1-Dichloroethene	86	93	70-130	8	25
trans-1,2-Dichloroethene	88	92	70-130	4	25
Trichloroethene	87	90	70-130	3	25
1,2-Dichlorobenzene	93	96	70-130	3	25
1,3-Dichlorobenzene	94	95	70-130	1	25
1,4-Dichlorobenzene	92	96	70-130	4	25
Methyl tert butyl ether	104	103	70-130	1	25
p/m-Xylene	90	93	70-130	3	25
o-Xylene	93	99	70-130	6	25
cis-1,2-Dichloroethene	87	91	70-130	4	25
Dibromomethane	94	94	70-130	0	25
1,2,3-Trichloropropane	113	108	70-130	5	25
Styrene	94	97	70-130	3	25
Dichlorodifluoromethane	80	85	70-130	6	50
Acetone	104	104	70-130	0	50
Carbon disulfide	81	84	70-130	4	25
2-Butanone	111	102	70-130	8	50

## Lab Control Sample Analysis

Batch Quality Control

Project Name: BOSTIK, INC  
Project Number: 54464

Lab Number: L0812448  
Report Date: 08/27/08

Parameter	LCS %Recovery	LCS %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Soil Analysis Associated sample(s): 01-02 Batch: WG333958-1 WG333958-2					
4-Methyl-2-pentanone	110	108	70-130	2	50
2-Hexanone	110	107	70-130	3	50
Bromochloromethane	94	95	70-130	1	25
Tetrahydrofuran	107	104	70-130	3	25
2,2-Dichloropropane	92	94	70-130	2	50
1,2-Dibromoethane	96	94	70-130	2	25
1,3-Dichloropropane	94	94	70-130	0	25
1,1,1,2-Tetrachloroethane	91	93	70-130	2	25
Bromobenzene	93	94	70-130	1	25
n-Butylbenzene	94	97	70-130	3	25
sec-Butylbenzene	92	98	70-130	6	25
tert-Butylbenzene	91	95	70-130	4	25
o-Chlorotoluene	88	95	70-130	8	25
p-Chlorotoluene	92	96	70-130	4	25
1,2-Dibromo-3-chloropropane	108	101	70-130	7	50
Hexachlorobutadiene	89	94	70-130	5	25
Isopropylbenzene	112	115	70-130	3	25
p-Isopropyltoluene	97	100	70-130	3	25
Naphthalene	99	98	70-130	1	25
n-Propylbenzene	92	98	70-130	6	25
1,2,3-Trichlorobenzene	96	100	70-130	4	25

## Lab Control Sample Analysis

Batch Quality Control

Project Name: BOSTIK, INC  
Project Number: 54464

Lab Number: L0812448  
Report Date: 08/27/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Soil Analysis Associated sample(s): 01-02 Batch: WG333958-1 WG333958-2					
1,2,4-Trichlorobenzene	95	96	70-130	1	25
1,3,5-Trimethylbenzene	92	96	70-130	4	25
1,2,4-Trimethylbenzene	95	96	70-130	1	25
Ethyl ether	94	97	70-130	3	25
Isopropyl Ether	95	98	70-130	3	25
Ethyl-Tert-Butyl-Ether	106	106	70-130	0	25
Tertiary-Amyl Methyl Ether	101	102	70-130	1	25
1,4-Dioxane	108	103	70-130	5	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103	101	70-130
Toluene-d8	104	103	70-130
4-Bromofluorobenzene	105	104	70-130
Dibromofluoromethane	102	98	70-130

## Lab Control Sample Analysis

Batch Quality Control

Project Name: BOSTIK, INC

Project Number: 54464

Lab Number: L0812448

Report Date: 08/27/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Alcohol Organics by GC/FID Associated sample(s): 01-02 Batch: WG333960-2					
Methyl Alcohol	85	-	70-130	-	40
Ethyl Alcohol	77	-	70-130	-	40
n-Propyl Alcohol	84	-	70-130	-	40
iso-Propyl Alcohol	86	-	70-130	-	40
iso-Butyl Alcohol	85	-	70-130	-	40
n-Butyl Alcohol	86	-	70-130	-	40
sec-Butyl Alcohol	85	-	70-130	-	40
tert-Butyl Alcohol	87	-	70-130	-	40

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: BOSTIK, INC  
Project Number: 54464

Lab Number: L0812448  
Report Date: 08/27/08

Parameter	Native Sample	MS Added	MS Found	MS	MSD Found	MSD	Recovery Limits	RPD	RPD Limits
				%Recovery		%Recovery			
Alcohol Organics by GC/FID Associated sample(s): 01-02    QC Batch ID: WG333960-3    QC Sample: L0812448-02    Client ID: B-2, 11-15'									
Methyl Alcohol	ND	55.6	49	88	-	-	70-130	-	40
Ethyl Alcohol	ND	55.6	43	78	-	-	70-130	-	40
n-Propyl Alcohol	ND	55.6	48	87	-	-	70-130	-	40
iso-Propyl Alcohol	ND	55.6	50	90	-	-	70-130	-	40
iso-Butyl Alcohol	ND	55.6	48	87	-	-	70-130	-	40
n-Butyl Alcohol	ND	55.6	49	87	-	-	70-130	-	40
sec-Butyl Alcohol	ND	55.6	48	86	-	-	70-130	-	40
tert-Butyl Alcohol	ND	55.6	50	89	-	-	70-130	-	40

Project Name: BOSTIK, INC  
 Project Number: 54464

**Lab Duplicate Analysis**  
 Batch Quality Control

Lab Number: L0812448  
 Report Date: 08/27/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Alcohol Organics by GC/FID Associated sample(s): 01-02 QC Batch ID: WG333960-4 QC Sample: L0812448-02 Client ID: B-2, 11-15'					
Methyl Alcohol	ND	ND	mg/kg	NC	40
Ethyl Alcohol	ND	ND	mg/kg	NC	40
n-Propyl Alcohol	ND	ND	mg/kg	NC	40
iso-Propyl Alcohol	ND	ND	mg/kg	NC	40
iso-Butyl Alcohol	ND	ND	mg/kg	NC	40
n-Butyl Alcohol	ND	ND	mg/kg	NC	40
sec-Butyl Alcohol	ND	ND	mg/kg	NC	40
tert-Butyl Alcohol	ND	ND	mg/kg	NC	40

# SEMIVOLATILES



Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## SAMPLE RESULTS

Lab ID: L0812448-01  
 Client ID: B-2, 3-7'  
 Sample Location: MIDDLETON, MA  
 Matrix: Soil  
 Analytical Method: 12.E202  
 Analytical Date: 08/22/08 13:51  
 Analyst: RT  
 Percent Solids: 92%

Date Collected: 08/21/08 09:44  
 Date Received: 08/21/08  
 Field Prep: Not Specified  
 Extraction Method:

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
<b>Glycol Organics by GC/FID</b>					
Ethylene glycol	ND		mg/kg	5.4	1
Propylene glycol	ND		mg/kg	5.4	1

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## SAMPLE RESULTS

Lab ID: L0812448-02  
 Client ID: B-2, 11-15'  
 Sample Location: MIDDLETON, MA  
 Matrix: Soil  
 Analytical Method: 12,E202  
 Analytical Date: 08/22/08 14:19  
 Analyst: RT  
 Percent Solids: 90%

Date Collected: 08/21/08 10:15  
 Date Received: 08/21/08  
 Field Prep: Not Specified  
 Extraction Method:

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
<b>Glycol Organics by GC/FID</b>					
Ethylene glycol	-ND		mg/kg	5.6	-1
Propylene glycol	ND		mg/kg	5.6	1

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

**Method Blank Analysis  
Batch Quality Control**Analytical Method: 12,E202  
Analytical Date: 08/22/08 11:56  
Analyst: RT

Parameter	Result	Qualifier	Units	RDL
Glycol Organics by GC/FID for sample(s): 01-02 Batch: WG333877-1				
Ethylene glycol	ND		mg/kg	5.0
Propylene glycol	ND		mg/kg	5.0

**Lab Control Sample Analysis**

Batch Quality Control

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Glycol Organics by GC/FID Associated sample(s): 01-02 Batch: WG333877-2					
Ethylene glycol	91				
Propylene glycol	86				

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

Parameter	Native Sample	MS Added	MS Found	MS	MSD Found	MSD	Recovery	RPD	RPD Limits
				%Recovery		%Recovery	Limits		
Glycol Organics by GC/FID Associated sample(s): 01-02 QC Batch ID: WG333877-3 QC Sample: L0812448-01 Client ID: B-2, 3-7'									
Ethylene glycol	ND	10.9	10	95	-	-	-	-	-
Propylene glycol	ND	10.9	9.9	91	-	-	-	-	-

Project Name: BOSTIK, INC  
Project Number: 54464

**Lab Duplicate Analysis**  
Batch Quality Control

Lab Number: L0812448  
Report Date: 08/27/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Glycol Organics by GC/FID Associated sample(s): 01-02 QC Batch ID: WG333877-4 QC Sample: L0812448-01 Client ID: B-2, 3-7'					
Ethylene glycol	ND	ND	mg/kg	NC	
Propylene glycol	ND	ND	mg/kg	NC	

# **INORGANICS & MISCELLANEOUS**

Project Name: BOSTIK, INC  
Project Number: 54464

Lab Number: L0812448  
Report Date: 08/27/08

**SAMPLE RESULTS**

Lab ID: L0812448-01  
Client ID: B-2, 3-7'  
Sample Location: MIDDLETON, MA  
Matrix: Soil

Date Collected: 08/21/08 09:44  
Date Received: 08/21/08  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry</b>									
Solids, Total	92		%	0.10	1		08/22/08 16:45	30,2540G	SD



Project Name: BOSTIK, INC  
 Project Number: 54464

Lab Number: L0812448  
 Report Date: 08/27/08

### SAMPLE RESULTS

Lab ID: L0812448-02  
 Client ID: B-2, 11-15'  
 Sample Location: MIDDLETON, MA  
 Matrix: Soil

Date Collected: 08/21/08 10:15  
 Date Received: 08/21/08  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry</b>									
Solids, Total	90		%	0.10	1		08/22/08 16:45	30,2540G	SD



Project Name: BOSTIK, INC  
Project Number: 54464

**Lab Duplicate Analysis**  
Batch Quality Control

Lab Number: L0812448  
Report Date: 08/27/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Associated sample(s): 01-02 QC Batch ID: WG333700-1 QC Sample: L0812265-01 Client ID: DUP Sample					
Solids, Total	88	89	%	1	20

Project Name: BOSTIK, INC

Lab Number: L0812448

Project Number: 54464

Report Date: 08/27/08

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

## Cooler Information

Cooler	Custody Seal
A	Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0812448-01A	Vial MeOH preserved	A	N/A	3.5C	Y	Absent	MCP-8260HLW(14)
L0812448-01B	Vial water preserved	A	N/A	3.5C	Y	Absent	MCP-8260HLW(14)
L0812448-01C	Vial water preserved	A	N/A	3.5C	Y	Absent	MCP-8260HLW(14)
L0812448-01D	Plastic 2oz unpreserved for TS	A	N/A	3.5C	Y	Absent	TS(7)
L0812448-01E	Vial Large unpreserved	A	N/A	3.5C	Y	Absent	GLYCOL(14)
L0812448-01F	Vial Large unpreserved	A	N/A	3.5C	Y	Absent	ALCOHOL(14)
L0812448-02A	Vial MeOH preserved	A	N/A	3.5C	Y	Absent	MCP-8260HLW(14)
L0812448-02B	Vial water preserved	A	N/A	3.5C	Y	Absent	MCP-8260HLW(14)
L0812448-02C	Vial water preserved	A	N/A	3.5C	Y	Absent	MCP-8260HLW(14)
L0812448-02D	Plastic 2oz unpreserved for TS	A	N/A	3.5C	Y	Absent	TS(7)
L0812448-02E	Vial Large unpreserved	A	N/A	3.5C	Y	Absent	GLYCOL(14)
L0812448-02F	Vial Large unpreserved	A	N/A	3.5C	Y	Absent	ALCOHOL(14)

\*Hold days indicated by values in parentheses



**Project Name:** BOSTIK, INC  
**Project Number:** 54464

**Lab Number:** L0812448  
**Report Date:** 08/27/08

## GLOSSARY

### Acronyms

- EPA - Environmental Protection Agency.  
LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  
LCSD - Laboratory Control Sample Duplicate: Refer to LCS.  
MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.  
MSD - Matrix Spike Sample Duplicate: Refer to MS.  
NA - Not Applicable.  
NI - Not Ignitable.  
NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.  
ND - Not detected at the reported detection limit for the sample.  
RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  
RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

- A - Spectra identified as "Aldol Condensation Product".  
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.  
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.  
J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

### Standard Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

Report Format: Data Usability Report



**Project Name:** BOSTIK, INC  
**Project Number:** 54464

**Lab Number:** L0812448  
**Report Date:** 08/27/08

### REFERENCES

- 12 Annual Book of ASTM Standards. American Society for Testing and Materials.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

### LIMITATION OF LIABILITIES

Alpha Woods Hole Labs performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at its own expense. In no event shall Alpha Woods Hole Labs be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.





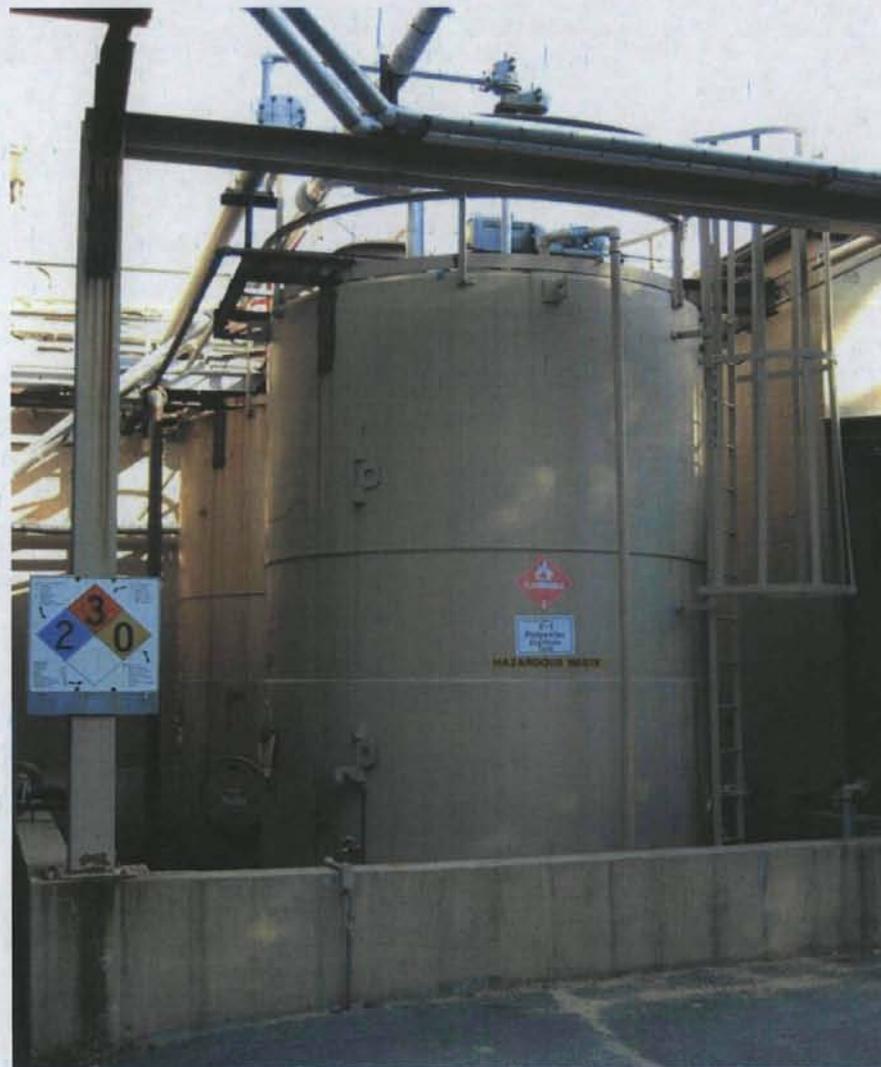
**ATTACHMENT 5**

**PHOTODOCUMENTATION**

# Tanks Associated With Partial Closure

Bostik Middleton

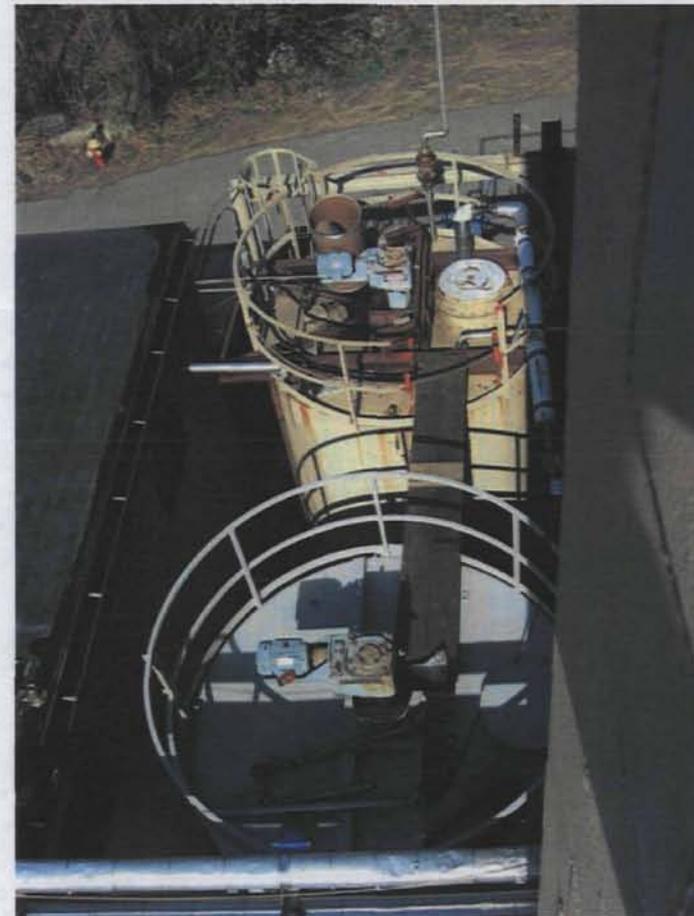
# Old T-1/T-2 Tank Setup



# Current Tank Layout



Old T-1 Tank to  
be replaced on 10/7/08



New T-2 Tank installed  
on 5/7/08 behind old T-1 Tank

# Tanks To Be Removed

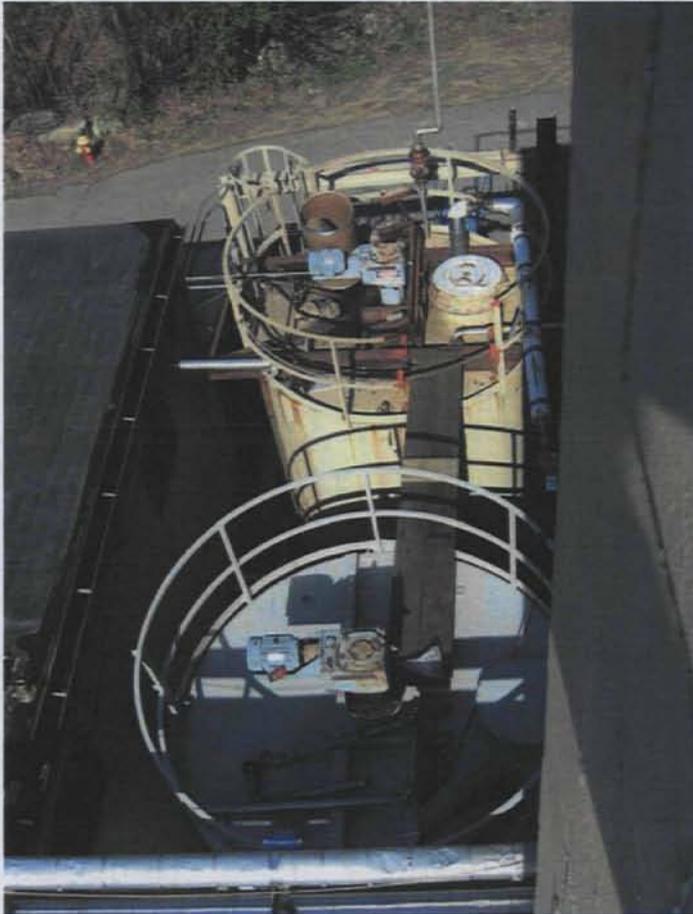


Old T-2 Tank  
Staged For Transport

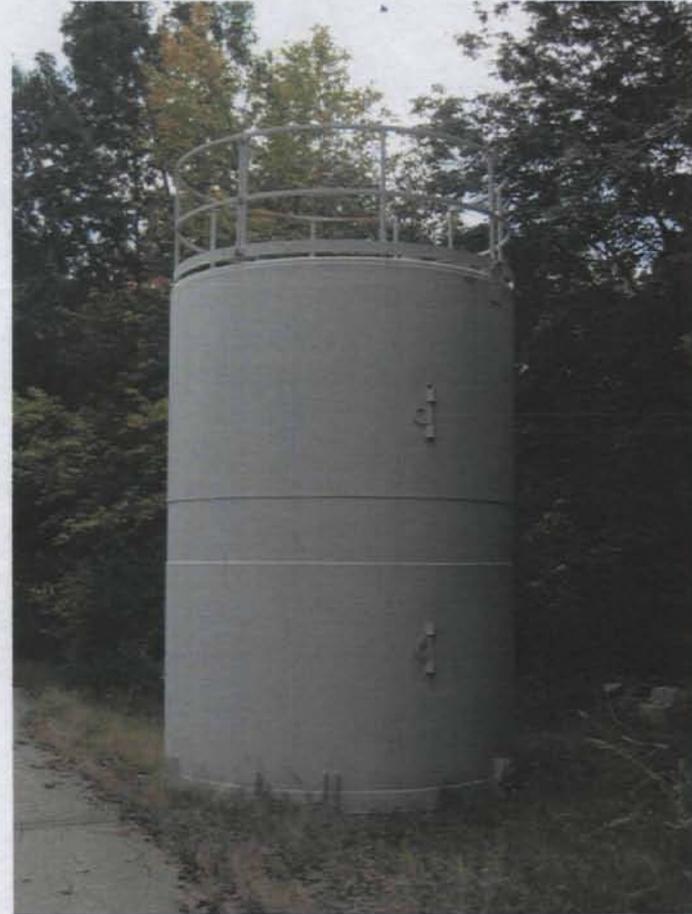


Old T-1 Tank  
To Be Removed on 10/7/08

# New Replacement Tanks



New T-2 Tank installed  
on 5/7/08 behind old T-1 Tank



New T-1 Tank  
Will be installed on 10-7-08

**ATTACHMENT 6**

**VARIANCE REQUEST**



May 12, 2008

Stephen Yee  
U.S. Environmental Protection Agency, Region 1  
One Congress Street - Suite 1100  
Boston, MA 02114-2023

**RE: Variance Request for Partial Closure Wipe Sampling**

Dear Mr. Yee,

I am writing to request a variance to the wipe sampling procedures identified as part of the partial closure activities for the Hazardous Waste Combustion unit located at our Middleton, MA facility. This partial closure involves the cleaning and removal of hazardous waste bulk tanks T-1 and T-2 and their replacement with two new tanks. The wipe sampling procedure identified in the closure plan involved soaking the gauze with methanol, wiping the surface as instructed, and submitting the sample for analysis to an approved laboratory for testing by SW-846 Method 8240A and 8015A. The identified chemicals of concern were chosen based on our knowledge of the waste stream. Upon submitting the samples, our laboratory indicated that they could test the samples for Methyl ethyl ketone, Toluene, Tetrahydrofuran, and Xylene, but could not test for Methanol, Ethyl acetate, Ethylene glycol, Diethylene glycol, Butanediol, or Hexanediol. The sampling for Methyl ethyl ketone, Toluene, Tetrahydrofuran, and Xylene has come back clean.

After reviewing our options with three separate laboratories to ensure that the tanks have been sufficiently cleaned, we are proposing the following plan for your approval:

1. Resample for Ethyl Acetate using a methanol soaked wipe. The lab would run a modified OSHA 1457 analysis specifically for the Ethyl Acetate. The result would be reported in mg/L and then converted to ppm.
2. Resample for Methanol using a water wipe. The lab would run a modified OSHA 91 analysis specifically for the Methanol. The result would be reported in mg/L then converted to ppm.
3. - Eliminate Butanediol, Ethylene glycol, Hexanediol, and Diethylene glycol from our chemical of concern list since they are non-hazardous constituents and cannot be tested through RCRA testing methods.

We are confident that following this revised plan will yield results that assure that the tanks are properly cleaned prior to disposal. Following your approval, the closure plan will be updated to contain this new sampling information. This variance will also be noted in the Certification of Closure report.

**Bostik, Inc.**  
211 Boston Street  
Middleton, MA 01949-2128 USA  
Tel: 978.750.7402 - Fax: 978.750.7232



If you have any questions or concerns regarding this request or prefer another method, please contact me directly by phone at (978) 750-7402 or through email at [dan.welch@bostik-us.com](mailto:dan.welch@bostik-us.com).

Sincerely,

Daniel F. Welch  
Health Safety Environment & Quality Manager

R 4/24/07

Phone: 800-966-9282

**Triumvirate  
John Bailey  
61 Inner Belt Road  
Somerville, MA 02143**

**5258**  
4/21/2009  
1:51:31 PM  
1 of 1

Shipped Via

**Mercury Business Services, Inc**

(617)723-5205

**Recipient:** Mr. Stephen Yee  
U.S. EPA, Region 1  
One Congress Street  
Suite 1100  
Boston, MA 02114

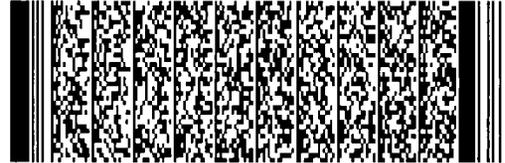
**Recipient Phone:**  
**Sender's Name** John Bailey

**Extension:**  
**Reference:** ECA Somerville

**Declared Value: \$100.00**



**Service Level:** NEXT AM  
**Instructions:**



Liability of Mercury Business Services, Inc. is limited to \$100.00 unless otherwise agreed to in writing.