



May 18, 2018

Mr. William Paladino  
5001 Group, LLC  
295 Main Street, Suite 210  
Buffalo, New York 14203

**Re: Tank Closure Activities –  
CBS No. 9-000229  
RCRA NYD067527515  
Former Wood Treaters of Buffalo Co.  
100 Botsford Place  
Buffalo New York**

Dear Mr. Paladino:

TurnKey Environmental Restoration, LLC (TurnKey) has prepared this correspondence on behalf of 5001 Group, LLC, to summarize the tank closure activities related to the former Wood Treaters of Buffalo Co. Site, located at 100 Botsford Place, Buffalo New York (Site). 5001 Group, LLC acquired the property in April 2016, and the facility has been vacant since acquisition.

In accordance with the Department's February 12, 2018 and February 13, 2018 correspondences and subsequent follow-up communications, 5001 Group, LLC prepared and submitted facility ownership information and associated fees, and Pre-Work for Bulk Storage notification of tank closure activities to NYSDEC; and, completed and submitted facility ownership transfer information to the US Environmental Protection Agency (USEPA) to update ownership and notice that use and storage of hazardous material has ceased on Site under the current ownership. It should be noted that tanks on Site are regulated under the Chemical Bulk Storage (CBS) and Resource Conservation and Recovery Act (RCRA) regulations.

### **Site Inspection**

Prior to on-Site tank closure activities, TurnKey completed a Site Inspection of the facility on February 27, 2018 to assess the status of on-Site tanks. Based on the inspection, a total of eight (8) storage and process related tanks were present on-Site, including:

#### *CBS Tank -*

- Tank No. 003 (4,000 gallons)

#### *RCRA Tanks -*

- Tank No. 001 (10,000 gallons)
- Tank No. 002 (10,000 gallons)
- Tank No. 004 (2,000 gallons)
- Tank No. 005 (6,000 gallons)
- Tank No. 006 (10,000 gallons)

*Orphaned Tanks-Vessels:*

- Tank No. 007 – (1) 10,000 gallon former chemical retardant tank; contents not labeled
- Tank No. 008 - (1) Approximate 9,000 gallon former pressure treatment cylinder.

One additional unlabeled 10,000 gallon tank was identified. All records indicate the tank was formerly used as a water storage tank; no further action taken.

All CBS and RCRA identified tanks appeared to have been previously emptied of contents, with associated piping disconnected and tank hatches and/or access holes cut into the tanks. No closure dates or closure records were identified.

A copy of the former NYSDEC tank records are included for reference in Attachment 1. A photolog of field activities is provided in Attachment 2.

**Tank Closure Activities**

As no proper tank closure documentation was provided to 5001 Group, LLC by the previous owners, it was determined in consultation with the Department to complete tank closure activities in accordance with the CBS regulations for all tanks. NYSDEC CBS Tank Closure form for CBS Tank 3 is provided in Attachment 1.

Between March 14<sup>th</sup> and March 16<sup>th</sup>, 2018, TurnKey provided oversight of the tank cleaning activities. 5001 Group, LLC contracted with Environmental Services Group (ESG) to complete the tank cleaning, waste characterization, and disposal of tank cleaning residual wastes. ESG provided vacuum truck and cleaning services, transportation (9A-324 / NYD986903904) services. It should be noted that based on correspondence with ESG, ESG completed tank cleaning activities for the previous owners in May 2016 and has provided associated analytical results from 2016 for reference.

Tank cleaning wastes were segregated into non-hazardous and hazardous wastes based on the prior use of the tanks. Tank cleaning certificates are included in Attachment 3.

**Disposal**

Approximately 2,000 gallons of non-hazardous tank cleaning residual liquids, from Tank Nos. 001, 004, and 007 was transported off-site by ESG (9A-324) for disposal at American Recyclers located in Tonawanda, NY. Disposal documents are included in Attachment 4.

Three (3) drums of non-hazardous cleaning residuals from the pressure tank (ID Tank 8), associated lines, and the surrounding floor sump were temporarily staged on-Site, sampled for waste characterization, and transported off site by ESG (9A-324) for disposal at American Recyclers located in Tonawanda, NY. Disposal documents are included in Attachment 4.

The interior sump, located on the western portion of the building near the former pressure treatment cylinder, was emptied as requested by the Department for housekeeping purposes. It should be noted that the sump re-accumulated with storm water due to heavy snow melt at the time of cleaning activities.

Approximately 125 gallons of tank cleaning residuals from Tank Nos. 002, 003, 005, and 006 was containerized in one (1) tote. Based on the past use of the tanks, the cleaning residuals were disposed as hazardous wastes (D008 and F035 waste water). ESG transported (NYD986903904) the tote to EQ Northeast, Inc. (MAD084814136) for disposal at Michigan Disposal Waste Treatment Plant located in Bellville Michigan. Disposal documents, including the certificate of disposal from EQ, are included in Attachment 3. Laboratory analytical reports are provided electronically in Attachment 5.


After tank cleaning was complete each tank was stenciled "CLOSED – 3/14/2018".


### Summary

- Prior to tank closure activities, the NYSDEC was notified of planned closure activities. An NYSDEC CBS closure form has been completed and submitted.
- One (1) 4,000 gallon CBS registered tank, formerly identified as Tank No. 003 (CBS Site No. 9-000229), was cleaned and properly closed.
- Five (5) RCRA non-regulated former process tanks were cleaned, and properly closed (Tank Nos. 001, 002, 004, 005, and 006).
- Two (2) additional nonregistered orphan tanks were cleaned and properly closed.
- One (1) interior sump (Tank 8) was emptied, as requested by the Department.
- Tank cleaning residuals were transported off-site for proper disposal at licensed facilities.

Please contact us if you have any questions or require additional information.

Sincerely,  
TurnKey Environmental Restoration, LLC

  
Nathan Munley  
Project Manager

  
Michale Lesakowski  
Principal

cc: F. Jacobi (EDC)  
L. Carbaugh (EDC)

# ATTACHMENT 1

## NYSDEC TANK RECORDS AND CBS CLOSURE FORM

# Hazardous Substance Bulk Storage Application

Pursuant to the Hazardous Substance Bulk Storage Law, Article 40 of  
ECL and 6 NYCRR 596-599

(See instructions and please be sure to complete Sections A & B)

## Section A - Facility/Property Owner/Contact Information

**Return Completed Form & Fees To:**

**NYSDEC  
Registration and Permits Section  
625 Broadway, 11th Floor  
Albany, NY 12233-7020**



**CBS Number:  
9-000229**

**Expiration Date:**

<b>Transaction Type:</b> <input type="text" value="3"/> 1) Initial/New Facility 2) Change of Ownership 3) Tank Installation, Closing, or Repair 4) Information Correction 5) Renewal	F A C I L I T Y	Facility Name: <b>WOOD TREATERS OF BUFFALO CO.</b>	Tax Map Borough/Section	<b>TYPE OF CHEMICAL STORAGE FACILITY (Check only one)</b>	
		Facility Address (Physical Address, No P.O. Boxes): <b>100 BOTSFORD PLACE</b>	Block:	<input type="checkbox"/> 01=Storage Terminal/Petrol. Distributor	<input type="checkbox"/> 02=Retail Gasoline Sales
		Facility Address (cont.):	Lot	<input type="checkbox"/> 05=Utility	<input type="checkbox"/> 06=Trucking/Transportation/Fleet
		City: <b>BUFFALO</b>	State: <b>NY</b> ZIP: <b>14216</b>	<input type="checkbox"/> 07=Apartment/Office Building	<input type="checkbox"/> 08=School
		County: <b>Erie</b> Township or Buffalo (c)	Facility Phone Number: <b>716-854-0060</b>	<input type="checkbox"/> 09=Farm	<input type="checkbox"/> 10=Private Residence
		Facility Operator: <b>5001 Group, LLC</b>		<input type="checkbox"/> 11=Airline/Air Taxi/Airport	<input type="checkbox"/> 12=Chemical Distributor
				<input type="checkbox"/> 13=Municipality	<input type="checkbox"/> 15=Railroad
				<input type="checkbox"/> 20=Chemical Manufacturing	<input type="checkbox"/> 21=Swimming Pools (Other than municipal)
				<input type="checkbox"/> 25=Auto Service/Repair (No Gasoline)	<input type="checkbox"/> 28=Cemetery/Memorial
				<input type="checkbox"/> 26=Religious (Church, Synagogue, Mosque, Temple, etc.)	<input type="checkbox"/> 99=Other (Specify):
				<input type="checkbox"/> 27=Hospital/Nursing Home/Health Care	
				<input type="checkbox"/> 52=Marina	
Provide property owner information here and tank owner information in Section C.  You must attach a copy of these parts of the Spill Prevention Report: cover page, table of contents, and signature page.	O W N E R	Facility (Property) Owner (from Deed): <b>5001 Group, LLC</b>		Emergency Contact Name:	
		Facility Owner Address (Street and/or P.O. Boxes): <b>295 Main Street, Suite 210</b>		Emergency Telephone Number:	
		City: <b>Buffalo</b>	State: <b>NY</b> ZIP Code: <b>14203</b>	I hereby certify, under penalty of law, that all of the information provided on this form is true and correct. False statements made herein may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.	
		Federal Tax ID Number:	Owner Telephone Number: <b>716-854-0060</b>	Name of Property Owner or Authorized Representative:	Amount Enclosed: \$
		Type of Owner (check only one):		Title:	Signature:
		3 <input type="checkbox"/> Local Government	4 <input type="checkbox"/> Federal Government	Date:	
		1 <input checked="" type="checkbox"/> Private Resident	5 <input type="checkbox"/> Corporate/Commercial/Other		
		2 <input type="checkbox"/> State Government			
Official Use Only Date Received: ___/___/___ Date Processed: ___/___/___ Amount Received: \$ _____ Reviewed By: _____ Rev. 8/2/2017	C O R R E S P O N D E N C E	(Please keep this information up to date.)			
		Facility Contact Person Name: <b>Lori Carbaugh</b>			
		Contact Person Company Name: <b>Ellicott Development Company</b>			
		Address: <b>295 Main Street, Suite 210</b>			
		Address (cont.):			
		City/State/ZIP Code: <b>Buffalo, NY 14203</b>			
		Tel. Number: <b>716-854-0060</b>	eMail Address: <b>lcarbaugh@ellicottdevelopment.com</b>		

**CBS Number:**  
**9-000229**

**Section B - Tank Information**

*(Please use the key located on the last page to complete each item/column)*

**Registration Expiration Date:**  
**7/19/2005**

(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(16)	(17)	(18)	(19)	(20)				
Action	Tank Number	Tank Location	Status	Installation, Out-of-service Or Permanent Closure Date (mm/dd/yyyy) <b>Application will be returned if blank</b>	Capacity (Gallons)	Tank Type	Tank Internal Protection	Tank External Protection	Tank Secondary Containment	Tank Leak Detection	Tank Overfill Prevention	Tank Spill Prevention	Piping Location	Piping Type	Piping External Protection	Piping Secondary Containment	Piping Leak Detection	Hazardous Substance Name (List all Part 597 Substances, if more than 3 please list on separate sheet)	CAS Number	% of Haz Sub	Tank Fee \$
3	003	1	1	3/14/2014	4,000	01	00	01	99	00	04		01	01	01	99		arsenic acid	7778-39-4	25	

**Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed. Blank Section B is available at [http://www.dec.ny.gov/docs/remediation\\_hudson\\_pdf/cbsrenewal.pdf](http://www.dec.ny.gov/docs/remediation_hudson_pdf/cbsrenewal.pdf)**

CBS Number:

9-000229

# Hazardous Substance Bulk Storage Application

## Section C - Tank Ownership Information (for CBS tanks listed in Section B)

<b>Tank Owner Information</b>		
<input checked="" type="checkbox"/> Check box if same as Facility (Property) Owner. If tank owner is different from property owner, fill out information below:		
Tank Owner Name (Company/Individual):		
Contact Person:		
Tank Owner Address :		
City:	State:	ZIP:
Contact Person Telephone Number:	Contact Person email:	
<b>Specific Tanks Owned</b>		
<input checked="" type="checkbox"/> Check box if this owner owns all tanks at this facility. If not, list tanks owned by this owner below:		
Tank Number:		
Name of Class B (Daily On-Site) Operator: NA	Authorization No:	
Name of Class A (Primary) Operator: NA	Authorization No:	

003

<b>Tank Owner Information</b>		
<input type="checkbox"/> Check box if same as Facility (Property) Owner. If tank owner is different from property owner, fill out information below:		
Tank Owner Name (Company/Individual):		
Contact Person:		
Tank Owner Address :		
City:	State:	ZIP:
Contact Person Telephone Number:	Contact Person email:	
<b>Specific Tanks Owned</b>		
<input type="checkbox"/> Check box if this owner owns all tanks at this facility. If not, list tanks owned by this owner below:		
Tank Number:		
Name of Class B (Daily On-Site) Operator:	Authorization No:	
Name of Class A (Primary) Operator:	Authorization No:	

# HAZARDOUS SUBSTANCE BULK STORAGE APPLICATION - SECTION B - TANK INFORMATION - CODE KEYS

**Action (1)**

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

**Tank Location (3)**

1. Aboveground-contact w/soil
2. Aboveground-contact w/impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Partially buried tank (tank with 10% or more below ground)
5. Underground including vaulted with no access for inspection

**Status (4)**

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

**Tank Type (8)**

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel

**Internal Protection (9)**

00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:\*

**External Protection (10/18)**

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane

**Tank Secondary Containment (11)**

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)\*\*
11. Double Bottom (AST Only)\*\*
12. Double-Walled (AST Only)

**Tank Leak Detection (12)**

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
99. Other-Please list: \*

**Overfill Protection (13)**

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:\*

**Spill Prevention (14)**

00. None
01. Catch Basin
02. Transfer Station Containment
99. Other-Please list:\*

**Piping Location (16)**

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

**Piping Type (17)**

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:\*

**Piping Secondary Containment (19)**

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list: \*

**Pipe Leak Detection (20)**

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
99. Other-Please list:\*

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 \* If other, please list on a separate sheet including tank number,

\*\* Each of these codes must be combined with code 01 or 06 to meet compliance requirements.



# ATTACHMENT 2

## PHOTOLOG

## SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:

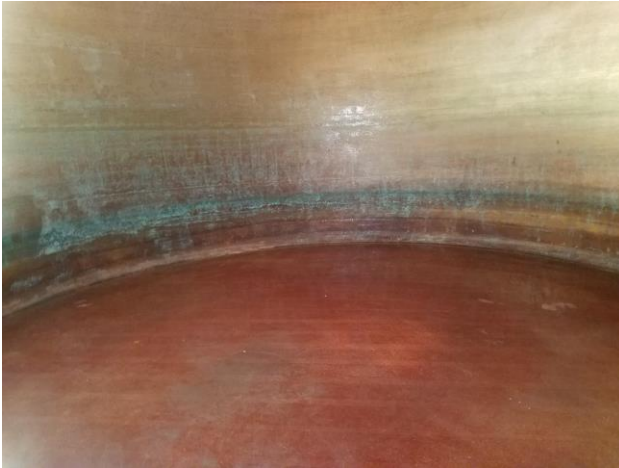


Photo 4:



- Photo 1: Environmental Service Group (ESG) vac truck.  
Photo 2: Interior sump cleaning.  
Photo 3: Emptied and cleaned process tank (Tank 005).  
Photo 4: Tank 005 stenciled with "closed" and closure date.

## SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: Emptied and cleaned process tank (Tank 006).

Photo 6: Tank 006 stenciled with "closed" and closure date.

Photo 7: Emptied and cleaned process tank (Tank 007).

Photo 8: Tank 007 stenciled with "closed" and closure date.



## SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: Tank 003 stenciled with “closed” and closure date.

Photo 6: Tank 003 stenciled with “closed” and closure date.

Photo 7: Emptied and cleaned former pressure treatment cylinder.

Photo 8: One tote of tank cleaning residuals and one tote of water used by ESG to clean the tanks.

# ATTACHMENT 3

## CLEAN TANK CERTIFICATIONS



## EMPTY TANK CERTIFICATION

I hereby certify that this tank is "empty" as that term is defined in the national Environmental Protection Agency regulations, 40 CFR 261.7\*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29\*\*.

3/14/18

Date

Justin Rainville

Name

The Environmental Service Group (NY) Inc.

Company

6000 gal

Size

D-Blaze Tank (F035, D004)

Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ....is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
- (ii) No more than 2.5 centimeters (1 inch) of residue remain on the bottom of the container...."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means.

For residues of products specifically listed by name in 40 CFR 261.33 (e), EPA says the container is empty only "if the container...has been tripled rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

\*\*DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the tank was full of its original contents. A DOT shipping paper is not required for transportation of a tank for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.



### EMPTY TANK CERTIFICATION

I hereby certify that this tank is "empty" as that term is defined in the national Environmental Protection Agency regulations, 40 CFR 261.7\*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29\*\*.

3/14/18  
Date

Justin Rainville  
Name

The Environmental Service Group (NY) Inc.

Company

6000 gal  
Size

Tank 7 (D004, D007, D008, D011, F035)  
Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ...is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
- (ii) No more than 2.5 centimeters (1 inch) of residue remain on the bottom of the container...."

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**EMPTY TANK CERTIFICATION**

I hereby certify that this tank is "empty" as that term is defined in the national Environmental Protection Agency regulations, 40 CFR 261.7\*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29\*\*.

3/14/18  
Date

Justin Rainville  
Name

The Environmental Service Group (NY) Inc.

Company

6000 gal  
Size

Tank on Right through Double doors (F035, D004, D007)  
Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ....is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
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\*\*DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the tank was full of its original contents. A DOT shipping paper is not required for transportation of a tank for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.





**EMPTY TANK CERTIFICATION**

I hereby certify that this tank is "empty" as that term is defined in the national Environmental Protection Agency regulations, 40 CFR 261.7\*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29\*\*.

3/14/18  
Date

Justin Rainville  
Name

The Environmental Service Group (NY) Inc.

Company

4000 gal  
Size

CBS Tank #4 (F035, D004, D007, D008)  
Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ...is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
- (ii) No more than 2.5 centimeters (1 inch) of residue remain on the bottom of the container...."

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## EMPTY TANK CERTIFICATION

I hereby certify that this tank is "empty" as that term is defined in the national Environmental Protection Agency regulations, 40 CFR 261.7\*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29\*\*.

3/14/18  
Date

Justin Rainville  
Name

The Environmental Service Group (NY) Inc.

Company

6000 gal  
Size

WASH TANK #2 (FOSS, D004, D008)  
Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ....is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
- (ii) No more than 2.5 centimeters (1 inch) of residue remain on the bottom of the container...."

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## EMPTY TANK CERTIFICATION

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3/15/18

Date

Justin Rainville

Name

The Environmental Service Group (NY) Inc.

Company

6000 gal

Size

SOIL - Work Tank #1 NH Product

Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ....is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
- (ii) No more than 2.5 centimeters (1 inch) of residue remain on the bottom of the container...."

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3/15/18

Date

Justin Rainville

Name

The Environmental Service Group (NY) Inc.

Company

6000 gal

Size

803 Water Tank #3

Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ....is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
- (ii) No more than 2.5 centimeters (1 inch) of residue remain on the bottom of the container...."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means.

For residues of products specifically listed by name in 40 CFR 261.33 (e), EPA says the container is empty only "if the container...has been tripled rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

\*\*DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the tank was full of its original contents. A DOT shipping paper is not required for transportation of a tank for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.



## EMPTY TANK CERTIFICATION

I hereby certify that this tank is "empty" as that term is defined in the national Environmental Protection Agency regulations, 40 CFR 261.7\*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29\*\*.

3/15/18  
Date

Justin Rainville  
Name

The Environmental Service Group (NY) Inc.

Company

6000 gal  
Size

Foam Insulated Tank NH Products  
Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ....is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
- (ii) No more than 2.5 centimeters (1 inch) of residue remain on the bottom of the container...."

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For residues of products specifically listed by name in 40 CFR 261.33 (e), EPA says the container is empty only "if the container...has been tripled rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

\*\*DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the tank was full of its original contents. A DOT shipping paper is not required for transportation of a tank for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.



## EMPTY TANK CERTIFICATION

I hereby certify that this tank is "empty" as that term is defined in the national Environmental Protection Agency regulations, 40 CFR 261.7\*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29\*\*.

3/16/18  
Date

Justin Rainville  
Name

The Environmental Service Group (NY) Inc.

Company

4000 gal  
Size

NH Products / Pressure Tank  
Previous Contents

\*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container ....is empty if:

- (i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating, and
- (ii) No more than 2.5 centimeters (1 inch) of residue remain on the bottom of the container...."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means.

For residues of products specifically listed by name in 40 CFR 261.33 (e), EPA says the container is empty only "if the container...has been tripled rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

\*\*DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the tank was full of its original contents. A DOT shipping paper is not required for transportation of a tank for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

# ATTACHMENT 4

## DISPOSAL DOCUMENTS



**TABLE 1  
WASTE DISPOSAL SUMMARY  
100 BOTSFORD PLACE  
BUFFALO, NEW YORK**

Activity and Material/Item	Manifest Tracking Number	Quantity	Units	Transporter	Transporter I.D No.	Disposal Location
<b>Non-Hazardous Material</b>						
Tank Water/Rinsate	26883	2,002	Gallons	Environmental Service Group, Inc. (NY)	9A-324 NYD986903904	American Recyclers Company
Rinsate removed from sump and Tank #8 associated with tank cleaning	26902 / 27079	3 (165)	Drums (Gallons)	Environmental Service Group, Inc. (NY)	9A-324 NYD986903904	American Recyclers Company
<b>Hazardous Material</b>						
Waste Tank Liquid - Arsenic, Chromium, & Lead (D008 & F035)	008903125 FLE	125	Gallons	Environmental Service Group, Inc. (NY) EQ Northeast, Inc.	NYD986903904 MAD084814136	Michigan Disposal Waste Treatment Plant MID000724831



**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator ID Number  
**NYD067527515**

2. Page 1 of **1**

3. Emergency Response Phone  
**800-535-5053**

4. Waste Tracking Number  
**26883**

5. Generator's Name and Mailing Address  
**Ellicott Development Company  
205 Main Street, Suite 210  
Buffalo, NY 14203**

Generator's Site Address (if different than mailing address)  
**5001 Group LLC  
100 Botsford Place  
Buffalo, NY 14216**

Generator's Phone:  
**716-954-0090**

6. Transporter 1 Company Name  
**Environmental Service Group, Inc** **716.695.6720**

U.S. EPA ID Number  
**NYD986903904**

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**American Recyclers Company  
177 Wales Avenue  
Tonawanda, NY 14150**

U.S. EPA ID Number

Facility's Phone:  
**716.695.6720**

**NYR000030809**

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1. **Non RCRA Non DOT Regulated - Tank/Pit Water,**

No. **001** Type **TT**

**2002**

**G**

**EST.**

13. Special Handling Instructions and Additional Information

**Also Fits: Approval #:**  
**1 - H-11132IN**  
**2 -**  
**3 -**

**Handling Codes:**

**1 - None**  
**2 -**  
**3 -**  
**4 -**

**24 Hour Emergency Contact:**  
**INFOTRAC (Caller Must ID ESG)**  
**Consult ERG#:**

14. 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.

Generator's/Offor's Printed/Typed Name

**Justin Rainville (As Agent)**

Signature

*Justin Rainville*

Month Day Year

**3 15 18**

15. International Shipments  Import to U.S.  Export from U.S.

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

**Brandon Oliver**

Signature

*Brandon Oliver*

Month Day Year

**03 15 18**

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

**Sulian Mastropoli**

Signature

*Sulian Mastropoli*

Month Day Year

**03 15 18**

NON-HAZARDOUS  
WASTE MANIFEST

1. Generator ID Number  
NYD067527515

2. Page 1 of  
1

3. Emergency Response Phone  
800-535-5053

4. Waste Tracking Number  
26902

5. Generator's Name and Mailing Address  
Elcott Development Company  
295 Main Street, Suite 210  
Buffalo, NY 14203

Generator's Site Address (if different than mailing address)  
5001 Group LLC  
100 Botsford Place  
Buffalo, NY 14216

Generator's Phone: 716-854-0200

6. Transporter 1 Company Name  
Environmental Service Group, Inc 716.695.6720

U.S. EPA ID Number  
NYD986903904

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
American Recyclers Company  
177 Walas Avenue  
Tonawanda, NY 14150

U.S. EPA ID Number

Facility's Phone: 716.695.6720

NYR000030809

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. Non RCRA Non DOT Regulated, -, (Tank/Fit Water)

002

DM

110

G

13. Special Handling Instructions and Additional Information

EPA:

Approval #:

- 1. H-11132IN
- 2.
- 3.
- 4.

Handling Codes:

- 1 - None
- 2 -
- 3 -
- 4 -

24 Hour Emergency Contact:  
INFOFRAC (Caller Must ID  
ESG)

14. 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.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

15. International Shipments  Import to U.S.  Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

TRANSPORTER #2

Please print or type (Do not detach this manifest from the proper waybill)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number <b>NYD067527515</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-535-5053</b>	4. Waste Tracking Number <b>27079</b>
---------------------------------	---	--------------------------	--	--

5. Generator's Name and Mailing Address <b>Elliott Development Company 205 Main Street, Suite 210 Buffalo, NY 14203</b> Generator's Phone: <b>716-854-0000</b>	Generator's Site Address (if different than mailing address) <b>5001 Group LLC 100 Botsford Place Buffalo, NY 14216</b>
--	--

6. Transporter 1 Company Name <b>Environmental Service Group, Inc</b>	<b>716.695.6720</b>	U.S. EPA ID Number <b>NYD986903904</b>
--	---------------------	---

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address <b>American Recyclers Company 177 Wales Avenue Tonawanda, NY 14150</b> Facility's Phone: <b>716.695.6720</b>	U.S. EPA ID Number <b>NYR0000308-09</b>
---	--

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. <b>Non RCRA Non DOT Regulated, -, (Tank bottoms)</b>	<b>001</b>	<b>DM</b>	<b>150</b>	<b>P</b>	<b>EST</b>
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information	Handling Codes:	24 Hour Emergency Contact:
<b>ERG: Approval #:</b>	<b>1 - None</b>	<b>INFOTRAC (Caller Must ID</b>
<b>1 - 1-X-13522IN</b>	<b>2 -</b>	<b>RSQ)</b>
<b>2 -</b>	<b>3 -</b>	
<b>3 -</b>	<b>4 -</b>	
<b>4 -</b>		

14. 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.

Generator's/Officer's Printed/Typed Name <b>Justin Ramville (As Agent)</b>	Signature <i>Justin Ramville</i>	Month Day Year <b>10/3/16/18</b>
---	-------------------------------------	-------------------------------------

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

16. Transporter Acknowledgment of Receipt of Materials	Signature	Month Day Year
Transporter 1 Printed/Typed Name <b>Darryl McCallum</b>	<i>Darryl McCallum</i>	<b>10/3/16/18</b>
Transporter 2 Printed/Typed Name	Signature	Month Day Year

17a. 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
-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	--	---

17b. Alternate Facility (or Generator)	Manifest Reference Number:	U.S. EPA ID Number
Facility's Phone:		

17c. Signature of Alternate Facility (or Generator)	Month Day Year
---	----------------

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name <b>Sulian Mastropoli</b>	Signature <i>Sulian Mastropoli</i>	Month Day Year <b>10/3/16/18</b>
--	---------------------------------------	-------------------------------------

GENERATOR  
INTL  
TRANSPORTER  
DESIGNATED FACILITY

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYD067527515</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>800-535-5053</b>	4. Manifest Tracking Number <b>008903125 FLE</b>		
5. Generator's Name and Mailing Address <b>Ellicott Development Company 295 Main Street, Suite 210 Buffalo, NY 14203</b>			Generator's Site Address (if different than mailing address) <b>5001 Group LLC 100 Botsford Place Buffalo, NY 14216</b>				
Generator's Phone: <b>716-854-0060</b>			U.S. EPA ID Number <b>NYD986903904</b>		U.S. EPA ID Number <b>MAD 084 814136</b>		
6. Transporter 1 Company Name <b>Environmental Service Group, Inc. (NY)</b>			716.695.6720		U.S. EPA ID Number <b>MAD 084 814136</b>		
7. Transporter 2 Company Name <b>EQ North east inc</b>			U.S. EPA ID Number <b>MAD 084 814136</b>				
8. Designated Facility Name and Site Address <b>Michigan Disposal Waste Treatment Plant 49350 North I-94 Service Drive Belleville, MI 48111</b>			U.S. EPA ID Number <b>MID000724831</b>				
Facility's Phone: <b>800-592-5489</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol	13. Waste Codes
	X	<b>1. RQ, NA3082, Hazardous waste, liquid, n.o.s., 9, III, (Arsenic, Chromium, Lead)</b>	<b>001 TP</b>		<b>125</b>	<b>G</b>	<b>D008 F035</b>
		<b>2.</b>					
		<b>3.</b>					
		<b>4.</b>					
14. Special Handling Instructions and Additional Information <b>1 - F 165212MDI</b> <b>ERG: 1-1-11</b> <b>24 Hour Emergency Contact: INFOTRAC (Callers Must ID ESG)</b>							
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/blacked, 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>Justin Rainville (As Agent)</b>					Signature <i>Justin Rainville</i>		Month Day Year <b>3   16   18</b>
TRANSPORTER INTL	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.: _____						
	Transporter signature (for exports only): _____						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name <b>Barry McCallum</b>		Signature <i>B Barry McCallum</i>		Month Day Year <b>03   16   18</b>		
Transporter 2 Printed/Typed Name <b>Michael W. Peterson</b>		Signature <i>Michael W. Peterson</i>		Month Day Year <b>03   17   18</b>			
DESIGNATED FACILITY	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: _____    U.S. EPA ID Number: _____						
	18b. Alternate Facility (or Generator) Facility's Phone: _____    Month Day Year: _____						
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>HL10</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>Mike Swartz</b>					Signature <i>Mike Swartz</i>		Month Day Year <b>4   4   18</b>

**us** **logy** **CERTIFICATE OF DISPOSAL**

This certificate is to verify the wastes specified on Manifest # 008903125 FLE

have been properly disposed of in accordance with all local, state and federal regulation.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40CFR et seq.*

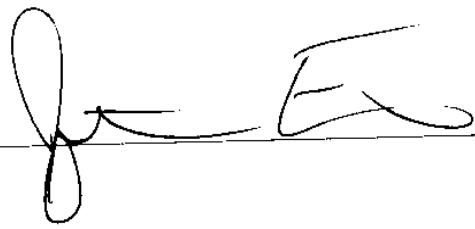
FACILITY NAME:  Michigan Disposal Waste Treatment Plant  
(Please check one) (EPA I.D. # MID000724831)

Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive  
Bellville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: 

# ATTACHMENT 5

**LABORATORY ANALYTICAL DATA PACKAGES  
(PROVIDED ELECTRONICALLY)**



## ANALYTICAL REPORT

Lab Number:	L1615657
Client:	Hazard Evaluations, Inc. 3752 North Buffalo Road Orchard Park, NY 14127
ATTN:	Michele Wittman
Phone:	(716) 667-3130
Project Name:	WOODTREATERS WASTE CHARACTER
Project Number:	24902
Report Date:	06/01/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Environmental Service Group**

*For Lab Project ID*

**181008**

*Referencing*

**Job # 22794, 5001 Group LLC 100 Botsford Pl**

*Prepared*

**Tuesday, March 27, 2018**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "K. Hansen", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Tuesday, March 27, 2018*





**Client:** Environmental Service Group

**Project Reference:** Job # 22794, 5001 Group LLC 100 Botsford Pl

**Sample Identifier:** Unknown Tank Bottoms

**Lab Sample ID:** 181008-01

**Date Sampled:** 3/16/2018

**Matrix:** TCLP Extract

**Date Received:** 3/20/2018

**TCLP Mercury**

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		3/23/2018 10:54

**Method Reference(s):** EPA 7470A

EPA 1311

**Preparation Date:** 3/22/2018

**Data File:** Hg180323A

**TCLP RCRA Metals (ICP)**

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	<b>0.104</b>	mg/L	5		3/26/2018 16:07
Barium	< 0.500	mg/L	100		3/26/2018 16:07
Cadmium	< 0.0250	mg/L	1		3/26/2018 16:07
Chromium	< 0.0500	mg/L	5		3/26/2018 16:07
Lead	<b>0.465</b>	mg/L	5		3/26/2018 16:07
Selenium	< 0.100	mg/L	1		3/26/2018 16:07
Silver	< 0.0500	mg/L	5		3/26/2018 16:07

**Method Reference(s):** EPA 6010C

EPA 1311 / 3005A

**Preparation Date:** 3/22/2018

**Data File:** 180326A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*

*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, March 27, 2018



179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

# CHAIN OF CUSTODY

Job # 22794/0826

REPORT TO:

INVOICE TO:

CLIENT: <u>The Environmental Services Corp</u>	CLIENT: <u>Same</u>	LAB PROJECT ID
ADDRESS: <u>177 Wales Ave</u>	ADDRESS: <u>Same</u>	<u>181008</u>
CITY: <u>Roseton</u> STATE: <u>NY</u> ZIP: <u>14158</u>	CITY: STATE: ZIP:	Quotation #:
PHONE: <u>716-695-6720</u>	PHONE:	Email: <u>joanville@esgen.com</u>
ATTN: <u>Justin Rainville</u>	ATTN:	

Matrix Codes: AQ - Aqueous Liquid    WA - Water    DW - Drinking Water    SO - Soil    SD - Solid  
 NQ - Non-Aqueous Liquid    WG - Groundwater    WW - Wastewater    SL - Sludge    PT - Paint    WP - Wipe    CK - Caulk    OL - Oil  
 AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPONENT	GRADES	SAMPLE IDENTIFIER	MCATD RIS	CUNTSBAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
3/16/18	1:00pm			Unknown Tank Bottoms			per visual	01

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input checked="" type="checkbox"/>	Batch QC <input type="checkbox"/> Basic EDD <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/> NYSDEC EDD <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/> Other EDD <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>

Sampled By: [Signature] Date/Time: 3/16/18 1pm

Refrquished By: [Signature] Date/Time: 3/19/18 12:55pm

Received By: [Signature] Date/Time: 3/20/18 0954

Received @ Lab By: [Signature] Date/Time: 3/19/18 17:10

Total Cost:

PLIF:

2012



### Chain of Custody Supplement

Client: ESG Completed by: Molykail  
 Lab Project ID: 181008 Date: 3/20/18

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1615657-01	S001 D BLAZE #6	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 12:00	05/24/16
L1615657-02	S002 D BLAZE CON TANK #7	SOLID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 12:30	05/24/16
L1615657-03	S003 CBS TANK #4 NW100C	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 12:50	05/24/16
L1615657-04	S004 CLEAN WOOD AC 55 GAL. DM	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 13:50	05/24/16
L1615657-05	S005 NORTHEAST ADDITION SUMP	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 13:55	05/24/16
L1615657-06	S006 DRUMS A+B WASTE OIL	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 14:20	05/24/16
L1615657-07	S007 WEST OF PRESSURE TREATER PIT	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 14:30	05/24/16
L1615657-08	S008 SW DRYER ROOM TRENCH AND SUMP	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 15:00	05/24/16
L1615657-09	S009 LG. PIT WEST OF TANK #1&2	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 15:10	05/24/16
L1615657-10	S010 PIT NORTH OF TANK #3	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 15:15	05/24/16
L1615657-11	S011 WORK TANK #1 NW100C&DAC-Q	SLUDGE	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 15:15	05/24/16
L1615657-12	S012 WORK TANK #2 NW 100C&DAC-Q	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 15:25	05/24/16
L1615657-13	S013 TANK #3 (WATER)	SLUDGE	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 15:30	05/24/16
L1615657-14	S014 OPEN LID DRUM NORTH OF TANK #3	SOLID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 17:00	05/24/16
L1615657-15	S015 DRUMS A&B SOUTHSIDE OF SOUTHERN BUILDING	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 17:23	05/24/16
L1615657-16	S016 DRUMS A&B WESTERN UNIT 3	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 17:50	05/24/16
L1615657-17	S018 DRUMS A&B WESTERN UNIT 3	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 18:05	05/24/16
L1615657-18	S019 DRUM (BLUE) IN BOILER ROOM	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 18:05	05/24/16
L1615657-19	S020 DRUMS A&B NEAR UNIT	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 18:15	05/24/16

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1615657-20	4 S021 CANS A&B NEAR UNIT 4	LIQUID	88 BOTSFORD PLACE, BUFFALO, NY	05/23/16 18:20	05/24/16

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

### 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.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

A container for pH analysis was received for L1615657-03, but was not listed on the chain of custody. The analysis was performed at the client's request.

L1615657-01: The sample was received above the appropriate pH for Metals analysis. The laboratory added additional HNO<sub>3</sub>; however, the pH would not adjust into the proper range.

L1615657-03, -05, -06, -12, and -15: Due to matrix, the laboratory was unable to obtain an initial pH of the sample upon receipt.

#### Metals

L1615657-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the prep dilution required by matrix interferences encountered during analysis.

L1615657-02 and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

L1615657-03: The sample has an elevated detection limit for mercury due to the 5x prep dilution required by the sample matrix.

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:

 Melissa Cripps

Title: Technical Director/Representative

Date: 06/01/16

# ORGANICS

# VOLATILES

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

Lab ID: L1615657-01 D  
 Client ID: S001 D BLAZE #6  
 Sample Location: 88 BOTSFORD PLACE, BUFFALO, NY  
 Matrix: Liquid  
 Analytical Method: 1,8260C  
 Analytical Date: 06/01/16 13:41  
 Analyst: KD

Date Collected: 05/23/16 12:00  
 Date Received: 05/24/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.3	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.4	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.70	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-01 D  
**Client ID:** S001 D BLAZE #6  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY

**Date Collected:** 05/23/16 12:00  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Styrene	76		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	620		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	85		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	410	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/01/16 12:32  
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG899581-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 06/01/16 12:32  
 Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG899581-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

**Project Name:** WOODTREATERS WASTE CHARACTER**Lab Number:** L1615657**Project Number:** 24902**Report Date:** 06/01/16

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 06/01/16 12:32  
 Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG899581-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	107		70-130



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER

**Lab Number:** L1615657

**Project Number:** 24902

**Report Date:** 06/01/16

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG899581-3 WG899581-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
2-Chloroethylvinyl ether	100		97		70-130	3		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	97		98		63-130	1		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		99		70-130	1		20
cis-1,3-Dichloropropene	98		98		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	86		86		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		100		70-130	10		20
Toluene	100		100		70-130	0		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: WOODTREATERS WASTE CHARACTER

Lab Number: L1615657

Project Number: 24902

Report Date: 06/01/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG899581-3 WG899581-4								
Ethylbenzene	110		110		70-130	0		20
Chloromethane	76		72		64-130	5		20
Bromomethane	54		53		39-139	2		20
Vinyl chloride	95		94		55-140	1		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		97		61-145	3		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		115		70-130	4		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	120		120		70-130	0		20
Isopropyl Ether	110		110		70-130	0		20
tert-Butyl Alcohol	132	Q	126		70-130	5		20
Styrene	120		115		70-130	4		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER

**Lab Number:** L1615657

**Project Number:** 24902

**Report Date:** 06/01/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG899581-3 WG899581-4								
Dichlorodifluoromethane	72		70		36-147	3		20
Acetone	96		95		58-148	1		20
Carbon disulfide	96		94		51-130	2		20
2-Butanone	120		110		63-138	9		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	100		100		57-130	0		20
Acrolein	100		100		40-160	0		20
Bromochloromethane	120		120		70-130	0		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		110		70-130	10		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	88		85		41-144	3		20
Hexachlorobutadiene	110		100		63-130	10		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER

**Lab Number:** L1615657

**Project Number:** 24902

**Report Date:** 06/01/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG899581-3 WG899581-4								
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	110		110		70-130	0		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	120		110		70-130	9		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
Methyl Acetate	120		120		70-130	0		20
Ethyl Acetate	110		110		70-130	0		20
Cyclohexane	110		110		70-130	0		20
Ethyl-Tert-Butyl-Ether	100		100		70-130	0		20
Tertiary-Amyl Methyl Ether	98		96		66-130	2		20
1,4-Dioxane	154		156		56-162	1		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
p-Diethylbenzene	110		110		70-130	0		20
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Tetrahydrofuran	100		110		58-130	10		20
Ethyl ether	110		100		59-134	10		20
trans-1,4-Dichloro-2-butene	94		95		70-130	1		20

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG899581-3 WG899581-4								
Iodomethane	29	Q	32	Q	70-130	10		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	106		109		70-130

## METALS

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

Lab ID: L1615657-01  
 Client ID: S001 D BLAZE #6  
 Sample Location: 88 BOTSFORD PLACE, BUFFALO, NY  
 Matrix: Liquid

Date Collected: 05/23/16 12:00  
 Date Received: 05/24/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	7.40		mg/l	0.0500	0.0200	1	05/25/16 17:00	05/27/16 04:57	EPA 3005A	1,6010C	FB
Barium, Total	ND		mg/l	0.100	0.0300	1	05/25/16 17:00	05/27/16 04:57	EPA 3005A	1,6010C	FB
Cadmium, Total	ND		mg/l	0.0500	0.0070	1	05/25/16 17:00	05/27/16 04:57	EPA 3005A	1,6010C	FB
Chromium, Total	2.3		mg/l	0.10	0.020	1	05/25/16 17:00	05/27/16 04:57	EPA 3005A	1,6010C	FB
Lead, Total	0.104		mg/l	0.100	0.0200	1	05/25/16 17:00	05/27/16 04:57	EPA 3005A	1,6010C	FB
Mercury, Total	0.00012	J	mg/l	0.00020	0.00006	1	05/27/16 10:57	05/31/16 12:41	EPA 7470A	1,7470A	BV
Selenium, Total	0.0310	J	mg/l	0.100	0.0300	1	05/25/16 17:00	05/27/16 04:57	EPA 3005A	1,6010C	FB
Silver, Total	ND		mg/l	0.0700	0.0200	1	05/25/16 17:00	05/27/16 04:57	EPA 3005A	1,6010C	FB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

Lab ID: L1615657-02  
 Client ID: S002 D BLAZE CON TANK #7  
 Sample Location: 88 BOTSFORD PLACE, BUFFALO, NY  
 Matrix: Solid  
 Percent Solids: Results are reported on an 'AS RECEIVED' basis.

Date Collected: 05/23/16 12:30  
 Date Received: 05/24/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	6200		mg/kg	4.0	1.3	10	05/26/16 04:50	05/26/16 12:38	EPA 3050B	1,6010C	AM
Barium, Total	99		mg/kg	4.0	1.1	10	05/26/16 04:50	05/26/16 12:38	EPA 3050B	1,6010C	AM
Cadmium, Total	16		mg/kg	4.0	0.28	10	05/26/16 04:50	05/26/16 12:38	EPA 3050B	1,6010C	AM
Chromium, Total	3500		mg/kg	4.0	0.67	10	05/26/16 04:50	05/26/16 12:38	EPA 3050B	1,6010C	AM
Lead, Total	3800		mg/kg	20	0.87	10	05/26/16 04:50	05/26/16 12:38	EPA 3050B	1,6010C	AM
Mercury, Total	0.84		mg/kg	0.06	0.01	1	05/26/16 11:00	05/26/16 17:29	EPA 7471B	1,7471B	BV
Selenium, Total	ND		mg/kg	7.92	1.07	10	05/26/16 04:50	05/26/16 12:38	EPA 3050B	1,6010C	AM
Silver, Total	160		mg/kg	4.0	0.79	10	05/26/16 04:50	05/26/16 12:38	EPA 3050B	1,6010C	AM





**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

Lab ID: L1615657-03  
 Client ID: S003 CBS TANK #4 NW100C  
 Sample Location: 88 BOTSFORD PLACE, BUFFALO, NY  
 Matrix: Liquid

Date Collected: 05/23/16 12:50  
 Date Received: 05/24/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	17.2		mg/l	0.500	0.200	10	05/25/16 17:00	05/27/16 05:02	EPA 3005A	1,6010C	FB
Barium, Total	ND		mg/l	1.00	0.300	10	05/25/16 17:00	05/27/16 05:02	EPA 3005A	1,6010C	FB
Cadmium, Total	0.670		mg/l	0.500	0.0700	10	05/25/16 17:00	05/27/16 05:02	EPA 3005A	1,6010C	FB
Chromium, Total	5.1		mg/l	1.0	0.20	10	05/25/16 17:00	05/27/16 05:02	EPA 3005A	1,6010C	FB
Lead, Total	132.		mg/l	1.00	0.200	10	05/25/16 17:00	05/27/16 05:02	EPA 3005A	1,6010C	FB
Mercury, Total	ND		mg/l	0.00100	0.00033	1	05/27/16 10:57	05/31/16 12:50	EPA 7470A	1,7470A	BV
Selenium, Total	0.310	J	mg/l	1.00	0.300	10	05/25/16 17:00	05/27/16 05:02	EPA 3005A	1,6010C	FB
Silver, Total	ND		mg/l	0.700	0.200	10	05/25/16 17:00	05/27/16 05:02	EPA 3005A	1,6010C	FB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

Lab ID: L1615657-07  
 Client ID: S007 WEST OF PRESSURE TREATER  
 Sample Location: 88 BOTSFORD PLACE, BUFFALO, NY  
 Matrix: Liquid

Date Collected: 05/23/16 14:30  
 Date Received: 05/24/16  
 Field Prep: Not Specified  
 TCLP/SPLP Ext. Date: 05/26/16 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.62	J	mg/l	1.0	0.03	1	05/31/16 15:23	05/31/16 22:05	EPA 3015	1,6010C	PS
Barium, TCLP	0.07	J	mg/l	0.50	0.03	1	05/31/16 15:23	05/31/16 22:05	EPA 3015	1,6010C	PS
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	05/31/16 15:23	05/31/16 22:05	EPA 3015	1,6010C	PS
Chromium, TCLP	0.02	J	mg/l	0.20	0.02	1	05/31/16 15:23	05/31/16 22:05	EPA 3015	1,6010C	PS
Lead, TCLP	ND		mg/l	0.50	0.02	1	05/31/16 15:23	05/31/16 22:05	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0004	J	mg/l	0.0010	0.0003	1	05/31/16 09:34	05/31/16 17:10	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.50	0.03	1	05/31/16 15:23	05/31/16 22:05	EPA 3015	1,6010C	PS
Silver, TCLP	ND		mg/l	0.10	0.02	1	05/31/16 15:23	05/31/16 22:05	EPA 3015	1,6010C	PS



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

Lab ID: L1615657-08  
 Client ID: S008 SW DRYER ROOM TRENCH AND  
 Sample Location: 88 BOTSFORD PLACE, BUFFALO, NY  
 Matrix: Liquid

Date Collected: 05/23/16 15:00  
 Date Received: 05/24/16  
 Field Prep: Not Specified  
 TCLP/SPLP Ext. Date: 05/26/16 11:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.15	J	mg/l	1.0	0.03	1	05/27/16 12:28	05/27/16 23:16	EPA 3015	1,6010C	AM
Barium, TCLP	ND		mg/l	0.500	0.027	1	05/27/16 12:28	05/27/16 23:16	EPA 3015	1,6010C	AM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	05/27/16 12:28	05/27/16 23:16	EPA 3015	1,6010C	AM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	05/27/16 12:28	05/27/16 23:16	EPA 3015	1,6010C	AM
Lead, TCLP	ND		mg/l	0.50	0.02	1	05/27/16 12:28	05/27/16 23:16	EPA 3015	1,6010C	AM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	05/27/16 09:27	05/31/16 10:32	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.50	0.03	1	05/27/16 12:28	05/27/16 23:16	EPA 3015	1,6010C	AM
Silver, TCLP	ND		mg/l	0.10	0.02	1	05/27/16 12:28	05/27/16 23:16	EPA 3015	1,6010C	AM



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-09  
**Client ID:** S009 LG. PIT WEST OF TANK #1&2  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 15:10  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	1.22		mg/l	0.0050	0.0020	1	05/25/16 17:00	05/27/16 05:06	EPA 3005A	1,6010C	FB
Barium, Total	0.0050	J	mg/l	0.0100	0.0030	1	05/25/16 17:00	05/27/16 05:06	EPA 3005A	1,6010C	FB
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	05/25/16 17:00	05/27/16 05:06	EPA 3005A	1,6010C	FB
Chromium, Total	0.22		mg/l	0.010	0.0020	1	05/25/16 17:00	05/27/16 05:06	EPA 3005A	1,6010C	FB
Lead, Total	0.0052	J	mg/l	0.0100	0.0020	1	05/25/16 17:00	05/27/16 05:06	EPA 3005A	1,6010C	FB
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/27/16 10:57	05/31/16 12:52	EPA 7470A	1,7470A	BV
Selenium, Total	ND		mg/l	0.0100	0.0030	1	05/25/16 17:00	05/27/16 05:06	EPA 3005A	1,6010C	FB
Silver, Total	ND		mg/l	0.0070	0.0020	1	05/25/16 17:00	05/27/16 05:06	EPA 3005A	1,6010C	FB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-10  
**Client ID:** S010 PIT NORTH OF TANK #3  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 15:15  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	23.8		mg/l	0.0050	0.0020	1	05/25/16 17:00	05/27/16 05:10	EPA 3005A	1,6010C	FB
Barium, Total	0.0928		mg/l	0.0100	0.0030	1	05/25/16 17:00	05/27/16 05:10	EPA 3005A	1,6010C	FB
Cadmium, Total	0.0108		mg/l	0.0050	0.0007	1	05/25/16 17:00	05/27/16 05:10	EPA 3005A	1,6010C	FB
Chromium, Total	8.1		mg/l	0.010	0.0020	1	05/25/16 17:00	05/27/16 05:10	EPA 3005A	1,6010C	FB
Lead, Total	0.619		mg/l	0.0100	0.0020	1	05/25/16 17:00	05/27/16 05:10	EPA 3005A	1,6010C	FB
Mercury, Total	0.00460		mg/l	0.00020	0.00006	1	05/27/16 10:57	05/31/16 12:54	EPA 7470A	1,7470A	BV
Selenium, Total	ND		mg/l	0.0100	0.0030	1	05/25/16 17:00	05/27/16 05:10	EPA 3005A	1,6010C	FB
Silver, Total	0.0104		mg/l	0.0070	0.0020	1	05/25/16 17:00	05/27/16 05:10	EPA 3005A	1,6010C	FB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

Lab ID: L1615657-11  
 Client ID: S011 WORK TANK #1 NW100C&DAC-Q  
 Sample Location: 88 BOTSFORD PLACE, BUFFALO, NY  
 Matrix: Sludge

Date Collected: 05/23/16 15:15  
 Date Received: 05/24/16  
 Field Prep: Not Specified  
 TCLP/SPLP Ext. Date: 05/26/16 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.98	J	mg/l	1.0	0.03	1	05/31/16 15:23	05/31/16 22:10	EPA 3015	1,6010C	PS
Barium, TCLP	0.14	J	mg/l	0.50	0.03	1	05/31/16 15:23	05/31/16 22:10	EPA 3015	1,6010C	PS
Cadmium, TCLP	0.04	J	mg/l	0.10	0.01	1	05/31/16 15:23	05/31/16 22:10	EPA 3015	1,6010C	PS
Chromium, TCLP	ND		mg/l	0.20	0.02	1	05/31/16 15:23	05/31/16 22:10	EPA 3015	1,6010C	PS
Lead, TCLP	0.03	J	mg/l	0.50	0.02	1	05/31/16 15:23	05/31/16 22:10	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0019		mg/l	0.0010	0.0003	1	05/31/16 09:34	05/31/16 17:12	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.50	0.03	1	05/31/16 15:23	05/31/16 22:10	EPA 3015	1,6010C	PS
Silver, TCLP	ND		mg/l	0.10	0.02	1	05/31/16 15:23	05/31/16 22:10	EPA 3015	1,6010C	PS



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-12  
**Client ID:** S012 WORK TANK #2 NW 100C&DAC-  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 15:25  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified  
**TCLP/SPLP Ext. Date:** 05/26/16 11:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	12		mg/l	1.0	0.03	1	05/27/16 12:28	05/27/16 23:56	EPA 3015	1,6010C	AM
Barium, TCLP	0.032	J	mg/l	0.500	0.027	1	05/27/16 12:28	05/27/16 23:56	EPA 3015	1,6010C	AM
Cadmium, TCLP	0.016	J	mg/l	0.100	0.007	1	05/27/16 12:28	05/27/16 23:56	EPA 3015	1,6010C	AM
Chromium, TCLP	1.8		mg/l	0.20	0.02	1	05/27/16 12:28	05/27/16 23:56	EPA 3015	1,6010C	AM
Lead, TCLP	5.7		mg/l	0.50	0.02	1	05/27/16 12:28	05/27/16 23:56	EPA 3015	1,6010C	AM
Mercury, TCLP	0.0006	J	mg/l	0.0010	0.0003	1	05/27/16 09:27	05/31/16 10:38	EPA 7470A	1,7470A	BV
Selenium, TCLP	0.068	J	mg/l	0.500	0.027	1	05/27/16 12:28	05/27/16 23:56	EPA 3015	1,6010C	AM
Silver, TCLP	0.030	J	mg/l	0.100	0.020	1	05/27/16 12:28	05/27/16 23:56	EPA 3015	1,6010C	AM



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-13  
**Client ID:** S013 TANK #3 (WATER)  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Sludge

**Date Collected:** 05/23/16 15:30  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified  
**TCLP/SPLP Ext. Date:** 05/26/16 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.31	J	mg/l	1.0	0.03	1	05/31/16 15:23	05/31/16 22:53	EPA 3015	1,6010C	PS
Barium, TCLP	0.06	J	mg/l	0.50	0.03	1	05/31/16 15:23	05/31/16 22:53	EPA 3015	1,6010C	PS
Cadmium, TCLP	0.03	J	mg/l	0.10	0.01	1	05/31/16 15:23	05/31/16 22:53	EPA 3015	1,6010C	PS
Chromium, TCLP	ND		mg/l	0.20	0.02	1	05/31/16 15:23	05/31/16 22:53	EPA 3015	1,6010C	PS
Lead, TCLP	0.05	J	mg/l	0.50	0.02	1	05/31/16 15:23	05/31/16 22:53	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0017		mg/l	0.0010	0.0003	1	05/31/16 09:34	05/31/16 17:14	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.50	0.03	1	05/31/16 15:23	05/31/16 22:53	EPA 3015	1,6010C	PS
Silver, TCLP	ND		mg/l	0.10	0.02	1	05/31/16 15:23	05/31/16 22:53	EPA 3015	1,6010C	PS





**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-14  
**Client ID:** S014 OPEN LID DRUM NORTH OF TA  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Solid

**Date Collected:** 05/23/16 17:00  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified  
**TCLP/SPLP Ext. Date:** 05/26/16 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.06	J	mg/l	1.0	0.03	1	05/31/16 15:23	06/01/16 00:19	EPA 3015	1,6010C	PS
Barium, TCLP	0.14	J	mg/l	0.50	0.03	1	05/31/16 15:23	06/01/16 00:19	EPA 3015	1,6010C	PS
Cadmium, TCLP	0.05	J	mg/l	0.10	0.01	1	05/31/16 15:23	06/01/16 00:19	EPA 3015	1,6010C	PS
Chromium, TCLP	0.05	J	mg/l	0.20	0.02	1	05/31/16 15:23	06/01/16 00:19	EPA 3015	1,6010C	PS
Lead, TCLP	ND		mg/l	0.50	0.02	1	05/31/16 15:23	06/01/16 00:19	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0023		mg/l	0.0010	0.0003	1	05/31/16 09:34	05/31/16 17:16	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.50	0.03	1	05/31/16 15:23	06/01/16 00:19	EPA 3015	1,6010C	PS
Silver, TCLP	ND		mg/l	0.10	0.02	1	05/31/16 15:23	06/01/16 00:19	EPA 3015	1,6010C	PS



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

### Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,09-10 Batch: WG897676-1									
Arsenic, Total	ND	mg/l	0.0050	0.0020	1	05/25/16 17:00	05/27/16 01:25	1,6010C	FB
Barium, Total	ND	mg/l	0.0100	0.0030	1	05/25/16 17:00	05/27/16 01:25	1,6010C	FB
Cadmium, Total	ND	mg/l	0.0050	0.0007	1	05/25/16 17:00	05/27/16 01:25	1,6010C	FB
Chromium, Total	ND	mg/l	0.010	0.0020	1	05/25/16 17:00	05/27/16 01:25	1,6010C	FB
Lead, Total	ND	mg/l	0.0100	0.0020	1	05/25/16 17:00	05/27/16 01:25	1,6010C	FB
Selenium, Total	ND	mg/l	0.0100	0.0030	1	05/25/16 17:00	05/27/16 01:25	1,6010C	FB
Silver, Total	ND	mg/l	0.0070	0.0020	1	05/25/16 17:00	05/27/16 01:25	1,6010C	FB

#### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG897864-1									
Arsenic, Total	ND	mg/kg	0.40	0.13	1	05/26/16 04:50	05/26/16 11:26	1,6010C	AM
Barium, Total	ND	mg/kg	0.40	0.11	1	05/26/16 04:50	05/26/16 11:26	1,6010C	AM
Cadmium, Total	ND	mg/kg	0.40	0.03	1	05/26/16 04:50	05/26/16 11:26	1,6010C	AM
Chromium, Total	ND	mg/kg	0.40	0.07	1	05/26/16 04:50	05/26/16 11:26	1,6010C	AM
Lead, Total	ND	mg/kg	2.0	0.09	1	05/26/16 04:50	05/26/16 11:26	1,6010C	AM
Selenium, Total	ND	mg/kg	0.80	0.11	1	05/26/16 04:50	05/26/16 11:26	1,6010C	AM
Silver, Total	ND	mg/kg	0.40	0.08	1	05/26/16 04:50	05/26/16 11:26	1,6010C	AM

#### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG897908-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	05/26/16 11:00	05/26/16 17:02	1,7471B	BV



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 08,12 Batch: WG898410-1									
Mercury, TCLP	ND	mg/l	0.0010	0.0003	1	05/27/16 09:27	05/31/16 10:29	1,7470A	BV

### Prep Information

Digestion Method: EPA 7470A  
TCLP/SPLP Extraction Date: 05/26/16 11:12

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,09-10 Batch: WG898439-1									
Mercury, Total	ND	mg/l	0.00020	0.00006	1	05/27/16 10:57	05/31/16 12:37	1,7470A	BV

### Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 08,12 Batch: WG898475-1									
Arsenic, TCLP	ND	mg/l	1.0	0.03	1	05/27/16 12:28	05/27/16 22:51	1,6010C	AM
Barium, TCLP	ND	mg/l	0.50	0.03	1	05/27/16 12:28	05/27/16 22:51	1,6010C	AM
Cadmium, TCLP	ND	mg/l	0.10	0.01	1	05/27/16 12:28	05/27/16 22:51	1,6010C	AM
Chromium, TCLP	ND	mg/l	0.20	0.02	1	05/27/16 12:28	05/27/16 22:51	1,6010C	AM
Lead, TCLP	ND	mg/l	0.50	0.02	1	05/27/16 12:28	05/27/16 22:51	1,6010C	AM
Selenium, TCLP	ND	mg/l	0.50	0.03	1	05/27/16 12:28	05/27/16 22:51	1,6010C	AM
Silver, TCLP	ND	mg/l	0.10	0.02	1	05/27/16 12:28	05/27/16 22:51	1,6010C	AM

### Prep Information

Digestion Method: EPA 3015  
TCLP/SPLP Extraction Date: 05/26/16 11:12



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

### Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 07,11,13-14 Batch: WG898965-1									
Mercury, TCLP	ND	mg/l	0.0010	0.0003	1	05/31/16 09:34	05/31/16 17:39	1,7470A	BV

#### Prep Information

Digestion Method: EPA 7470A  
TCLP/SPLP Extraction Date: 05/26/16 14:55

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 07,11,13-14 Batch: WG899178-1									
Arsenic, TCLP	ND	mg/l	1.0	0.03	1	05/31/16 15:23	05/31/16 22:27	1,6010C	PS
Barium, TCLP	ND	mg/l	0.50	0.03	1	05/31/16 15:23	05/31/16 22:27	1,6010C	PS
Cadmium, TCLP	ND	mg/l	0.10	0.01	1	05/31/16 15:23	05/31/16 22:27	1,6010C	PS
Chromium, TCLP	ND	mg/l	0.20	0.02	1	05/31/16 15:23	05/31/16 22:27	1,6010C	PS
Lead, TCLP	ND	mg/l	0.50	0.02	1	05/31/16 15:23	05/31/16 22:27	1,6010C	PS
Selenium, TCLP	ND	mg/l	0.50	0.03	1	05/31/16 15:23	05/31/16 22:27	1,6010C	PS
Silver, TCLP	ND	mg/l	0.10	0.02	1	05/31/16 15:23	05/31/16 22:27	1,6010C	PS

#### Prep Information

Digestion Method: EPA 3015  
TCLP/SPLP Extraction Date: 05/26/16 14:55

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER

**Lab Number:** L1615657

**Project Number:** 24902

**Report Date:** 06/01/16

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
<b>Total Metals - Mansfield Lab Associated sample(s): 01,03,09-10 Batch: WG897676-2</b>								
Arsenic, Total	102		-		80-120	-		
Barium, Total	97		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Chromium, Total	95		-		80-120	-		
Lead, Total	100		-		80-120	-		
Selenium, Total	103		-		80-120	-		
Silver, Total	101		-		80-120	-		
<b>Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG897864-2 SRM Lot Number: D088-540</b>								
Arsenic, Total	105		-		79-121	-		
Barium, Total	99		-		83-117	-		
Cadmium, Total	103		-		83-117	-		
Chromium, Total	101		-		80-120	-		
Lead, Total	98		-		81-117	-		
Selenium, Total	102		-		78-122	-		
Silver, Total	98		-		75-124	-		
<b>Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG897908-2 SRM Lot Number: D088-540</b>								
Mercury, Total	107		-		72-128	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER

**Lab Number:** L1615657

**Project Number:** 24902

**Report Date:** 06/01/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,12 Batch: WG898410-2					
Mercury, TCLP	103	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,09-10 Batch: WG898439-2					
Mercury, Total	85	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,12 Batch: WG898475-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	110	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07,11,13-14 Batch: WG898965-2					
Mercury, TCLP	111	-	80-120	-	

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER

**Lab Number:** L1615657

**Project Number:** 24902

**Report Date:** 06/01/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07,11,13-14 Batch: WG899178-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	90	-	75-125	-	20
Cadmium, TCLP	96	-	75-125	-	20
Chromium, TCLP	85	-	75-125	-	20
Lead, TCLP	96	-	75-125	-	20
Selenium, TCLP	100	-	75-125	-	20
Silver, TCLP	88	-	75-125	-	20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,09-10 QC Batch ID: WG897676-4 QC Sample: L1615350-01 Client ID: MS Sample												
Arsenic, Total	0.003J	0.12	0.124	103	-	-	-	-	75-125	-	-	20
Barium, Total	0.021	2	1.95	96	-	-	-	-	75-125	-	-	20
Cadmium, Total	ND	0.051	0.0512	100	-	-	-	-	75-125	-	-	20
Chromium, Total	ND	0.2	0.19	95	-	-	-	-	75-125	-	-	20
Lead, Total	ND	0.51	0.503	99	-	-	-	-	75-125	-	-	20
Selenium, Total	ND	0.12	0.121	101	-	-	-	-	75-125	-	-	20
Silver, Total	ND	0.05	0.0499	100	-	-	-	-	75-125	-	-	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG897864-4 QC Sample: L1615730-02 Client ID: MS Sample												
Arsenic, Total	2.7	10.9	14	104	-	-	-	-	75-125	-	-	20
Barium, Total	45.	181	220	96	-	-	-	-	75-125	-	-	20
Cadmium, Total	ND	4.62	4.3	93	-	-	-	-	75-125	-	-	20
Chromium, Total	12.	18.1	32	110	-	-	-	-	75-125	-	-	20
Lead, Total	12.	46.2	54	91	-	-	-	-	75-125	-	-	20
Selenium, Total	ND	10.9	10	92	-	-	-	-	75-125	-	-	20
Silver, Total	ND	27.2	18	66	Q	-	-	-	75-125	-	-	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG897908-4 QC Sample: L1615738-01 Client ID: MS Sample												
Mercury, Total	0.14	0.152	0.32	118	-	-	-	-	80-120	-	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,12 QC Batch ID: WG898410-4 QC Sample: L1615657-08 Client ID: S008 SW DRYER ROOM TRENCH AND SUMP												
Mercury, TCLP	ND	0.025	0.0250	100	-	-	-	-	80-120	-	-	20



### Matrix Spike Analysis Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,09-10 QC Batch ID: WG898439-4 QC Sample: L1615657-01 Client ID: S001 D BLAZE #6									
Mercury, Total	0.00012J	0.005	0.00523	105	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,12 QC Batch ID: WG898475-4 QC Sample: L1615657-08 Client ID: S008 SW DRYER ROOM TRENCH AND SUMP									
Arsenic, TCLP	0.15J	1.2	1.3	108	-	-	75-125	-	20
Barium, TCLP	ND	20	19	95	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.52	102	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95	-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.1	100	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.2	100	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.46	92	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07,11,13-14 QC Batch ID: WG898965-4 QC Sample: L1615630-07 Client ID: MS Sample									
Mercury, TCLP	0.0019	0.025	0.0242	89	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07,11,13-14 QC Batch ID: WG899178-4 QC Sample: L1615630-07 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.3	108	-	-	75-125	-	20
Barium, TCLP	1.1	20	19	90	-	-	75-125	-	20
Cadmium, TCLP	0.01J	0.51	0.51	100	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.7	85	-	-	75-125	-	20
Lead, TCLP	0.59	5.1	5.6	98	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.45	90	-	-	75-125	-	20

### Lab Duplicate Analysis Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG897864-3 QC Sample: L1615730-02 Client ID: DUP Sample</b>						
Arsenic, Total	2.7	2.2	mg/kg	20		20
Barium, Total	45.	43	mg/kg	5		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	12.	11	mg/kg	9		20
Lead, Total	12.	10	mg/kg	18		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
<b>Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG897908-3 QC Sample: L1615738-01 Client ID: DUP Sample</b>						
Mercury, Total	0.14	0.16	mg/kg	13		20
<b>TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,12 QC Batch ID: WG898410-3 QC Sample: L1615657-08 Client ID: S008 SW DRYER ROOM TRENCH AND SUMP</b>						
Mercury, TCLP	ND	ND	mg/l	NC		20
<b>Total Metals - Mansfield Lab Associated sample(s): 01,03,09-10 QC Batch ID: WG898439-3 QC Sample: L1615657-01 Client ID: S001 D BLAZE #6</b>						
Mercury, Total	0.00012J	0.00011J	mg/l	NC		20



### Lab Duplicate Analysis Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
<b>TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,12 QC Batch ID: WG898475-3 QC Sample: L1615657-08 Client ID: S008 SW DRYER ROOM TRENCH AND SUMP</b>					
Arsenic, TCLP	0.15J	0.16J	mg/l	NC	20
Barium, TCLP	ND	ND	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	ND	ND	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
<b>TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07,11,13-14 QC Batch ID: WG898965-3 QC Sample: L1615630-07 Client ID: DUP Sample</b>					
Mercury, TCLP	0.0019	0.0018	mg/l	6	20
<b>TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07,11,13-14 QC Batch ID: WG899178-3 QC Sample: L1615630-07 Client ID: DUP Sample</b>					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	1.1	1.1	mg/l	0	20
Cadmium, TCLP	0.01J	0.01J	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.59	0.58	mg/l	2	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-01  
**Client ID:** S001 D BLAZE #6  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 12:00  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.6		SU	-	NA	1	-	05/25/16 05:12	1,9040C	VM
Flash Point	>150		deg F	70	NA	1	-	05/25/16 23:00	1,1010A	SB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-03  
**Client ID:** S003 CBS TANK #4 NW100C  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 12:50  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	9.7		SU	-	NA	1	-	05/25/16 05:12	1,9040C	VM



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-04  
**Client ID:** S004 CLEAN WOOD AC 55 GAL. DM  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 13:50  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	2.5		SU	-	NA	1	-	05/25/16 05:12	1,9040C	VM



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-05  
**Client ID:** S005 NORTHEAST ADDITION SUMP  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 13:55  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Flash Point	>150		deg F	70	NA	1	-	05/31/16 13:05	1,1010A	MP





**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-06  
**Client ID:** S006 DRUMS A+B WASTE OIL  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 14:20  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Flash Point	>150		deg F	70	NA	1	-	05/25/16 23:00	1,1010A	SB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-11  
**Client ID:** S011 WORK TANK #1 NW100C&DAC-Q  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Sludge

**Date Collected:** 05/23/16 15:15  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	9.1		SU	-	NA	1	-	05/25/16 06:25	1,9045D	VM



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-12  
**Client ID:** S012 WORK TANK #2 NW 100C&DAC-  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 15:25  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	9.4		SU	-	NA	1	-	05/25/16 05:12	1,9040C	VM



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-13  
**Client ID:** S013 TANK #3 (WATER)  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Sludge

**Date Collected:** 05/23/16 15:30  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	8.8		SU	-	NA	1	-	05/25/16 06:25	1,9045D	VM



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-15  
**Client ID:** S015 DRUMS A&B SOUTHSIDE OF SO  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 17:23  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Flash Point	>150		deg F	70	NA	1	-	05/25/16 23:00	1,1010A	SB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-16  
**Client ID:** S016 DRUMS A&B WESTERN UNIT 3  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 17:50  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.6		SU	-	NA	1	-	05/25/16 05:12	1,9040C	VM



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-17  
**Client ID:** S018 DRUMS A&B WESTERN UNIT 3  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 18:05  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Flash Point	114		deg F	70.0	NA	1	-	05/25/16 23:00	1,1010A	SB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-18  
**Client ID:** S019 DRUM (BLUE) IN BOILER ROO  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 18:05  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	8.1		SU	-	NA	1	-	05/25/16 05:12	1,9040C	VM





**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-19  
**Client ID:** S020 DRUMS A&B NEAR UNIT 4  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 18:15  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.8		SU	-	NA	1	-	05/25/16 05:12	1,9040C	VM
Flash Point	>150		deg F	70	NA	1	-	05/25/16 23:00	1,1010A	SB



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

**SAMPLE RESULTS**

**Lab ID:** L1615657-20  
**Client ID:** S021 CANS A&B NEAR UNIT 4  
**Sample Location:** 88 BOTSFORD PLACE, BUFFALO, NY  
**Matrix:** Liquid

**Date Collected:** 05/23/16 18:20  
**Date Received:** 05/24/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.1		SU	-	NA	1	-	05/25/16 05:12	1,9040C	VM
Flash Point	>150		deg F	70	NA	1	-	05/25/16 23:00	1,1010A	SB



## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** WOODTREATERS WASTE CHARACTER

**Lab Number:** L1615657

**Project Number:** 24902

**Report Date:** 06/01/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03-04,12,16,18-20 Batch: WG897419-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 11,13 Batch: WG897436-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01,06,15,17,19-20 Batch: WG897809-1								
Flash Point	99		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG898969-1								
Flash Point	101		-		96-104	-		

## Lab Duplicate Analysis

Batch Quality Control

Project Name: WOODTREATERS WASTE CHARACTER

Project Number: 24902

Lab Number: L1615657

Report Date: 06/01/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03-04,12,16,18-20 QC Batch ID: WG897419-2 QC Sample: L1615657-01 Client ID: S001 D BLAZE #6						
pH (H)	7.6	7.6	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 11,13 QC Batch ID: WG897436-2 QC Sample: L1615630-07 Client ID: DUP Sample						
pH	7.7	7.6	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01,06,15,17,19-20 QC Batch ID: WG897809-2 QC Sample: L1615657-17 Client ID: S018 DRUMS A&B WESTERN UNIT 3						
Flash Point	114.	114	deg F	0		

**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

#### Cooler Information Custody Seal

##### Cooler

A Absent

#### Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1615657-01A	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260-R2(14)
L1615657-01B	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260-R2(14)
L1615657-01C	Plastic 120ml HNO3 preserved	A	5	2.5	N	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1615657-01D	Amber 1000ml unpreserved	A	7	2.5	Y	Absent	FLASH(),PH-9040(1)
L1615657-02A	Glass 250ml/8oz unpreserved	A	N/A	2.5	Y	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1615657-03A	Plastic 250ml HNO3 preserved	A	N/A	2.5	Y	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1615657-03B	Amber 1000ml unpreserved	A	N/A	2.5	Y	Absent	PH-9040(1)
L1615657-04A	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	PH-9040(1)
L1615657-05A	Glass 250ml/8oz unpreserved	A	N/A	2.5	Y	Absent	FLASH()
L1615657-06A	Glass 250ml/8oz unpreserved	A	N/A	2.5	Y	Absent	FLASH()
L1615657-07A	Amber 500ml unpreserved	A	7	2.5	Y	Absent	-
L1615657-07X	Plastic 120ml HNO3 preserved Ext	A	<2	2.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1615657-07X9	Tumble Vessel	A	N/A	2.5	Y	Absent	-
L1615657-08A	Amber 500ml unpreserved	A	7	2.5	Y	Absent	-
L1615657-08X	Plastic 120ml HNO3 preserved Ext	A	<2	2.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1615657-08X9	Tumble Vessel	A	N/A	2.5	Y	Absent	-
L1615657-09A	Plastic 250ml HNO3 preserved	A	<2	2.5	Y	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1615657-10A	Plastic 250ml HNO3 preserved	A	<2	2.5	Y	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1615657-11A	Glass 250ml/8oz unpreserved	A	N/A	2.5	Y	Absent	PH-9045(1)

\*Values in parentheses indicate holding time in days



Project Name: WOODTREATERS WASTE CHARACTER

Project Number: 24902

Lab Number: L1615657

Report Date: 06/01/16

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1615657-11X	Plastic 120ml HNO3 preserved Ext	A	<2	2.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1615657-11X9	Tumble Vessel	A	N/A	2.5	Y	Absent	-
L1615657-12A	Plastic 500ml unpreserved	A	N/A	2.5	Y	Absent	PH-9040(1)
L1615657-12X	Plastic 120ml HNO3 preserved Ext	A	N/A	2.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1615657-12X9	Tumble Vessel	A	N/A	2.5	Y	Absent	-
L1615657-13A	Glass 250ml/8oz unpreserved	A	N/A	2.5	Y	Absent	PH-9045(1)
L1615657-13X	Plastic 120ml HNO3 preserved Ext	A	<2	2.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1615657-13X9	Tumble Vessel	A	N/A	2.5	Y	Absent	-
L1615657-14A	Glass 250ml/8oz unpreserved	A	N/A	2.5	Y	Absent	-
L1615657-14X	Plastic 120ml HNO3 preserved Ext	A	<2	2.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1615657-14X9	Tumble Vessel	A	N/A	2.5	Y	Absent	-
L1615657-15A	Glass 250ml/8oz unpreserved	A	N/A	2.5	Y	Absent	FLASH()
L1615657-16A	Glass 250ml/8oz unpreserved	A	7	2.5	Y	Absent	PH-9040(1)
L1615657-17A	Glass 250ml/8oz unpreserved	A	7	2.5	Y	Absent	FLASH()
L1615657-18A	Glass 250ml/8oz unpreserved	A	7	2.5	Y	Absent	PH-9040(1)
L1615657-19A	Glass 250ml/8oz unpreserved	A	7	2.5	Y	Absent	FLASH(),PH-9040(1)
L1615657-20A	Glass 250ml/8oz unpreserved	A	7	2.5	Y	Absent	FLASH(),PH-9040(1)

\*Values in parentheses indicate holding time in days



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
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.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: 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.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
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.
MS D	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
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.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL 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.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

**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

- 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 at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** WOODTREATERS WASTE CHARACTER  
**Project Number:** 24902

**Lab Number:** L1615657  
**Report Date:** 06/01/16

#### Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to 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.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.



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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

## LIMITATION OF LIABILITIES

Alpha Analytical 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 shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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.

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.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 524.2:** 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

**EPA 624:** 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

**EPA 625:** Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

**EPA 1010A:** NPW: Ignitability

**EPA 6010C:** NPW: Strontium; SCM: Strontium

**EPA 8151A:** NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 9010:** NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

**EPA 9038:** NPW: Sulfate

**EPA 9050A:** NPW: Specific Conductance

**EPA 9056:** NPW: Chloride, Nitrate, Sulfate

**EPA 9065:** NPW: Phenols

**EPA 9251:** NPW: Chloride

**SM3500:** NPW: Ferrous Iron

**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

**SM5310C:** DW: Dissolved Organic Carbon

### Mansfield Facility

**EPA 8270D:** NPW: Biphenyl; SCM: Biphenyl, Caprolactam

**EPA 8270D-SIM Isotope Dilution:** SCM: 1,4-Dioxane

**SM 2540D:** TSS

**SM2540G:** SCM: Percent Solids

**EPA 1631E:** SCM: Mercury

**EPA 7474:** SCM: Mercury

**EPA 8081B:** NPW and SCM: Mirex, Hexachlorobenzene.

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA 8270-SIM:** NPW and SCM: Alkylated PAHs.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

**Biological Tissue Matrix:** **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

### Drinking Water

**EPA 200.8:** Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

**EPA 300.0:** Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1,**

**SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

**EPA 332:** Perchlorate.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

### Non-Potable Water

**EPA 200.8:** Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

**EPA 200.7:** Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA**

**350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F,**

**EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

**EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**


**EPA 624:** Volatile Halocarbons & Aromatics,


**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.


**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 <b>NEW YORK CHAIN OF CUSTODY</b> Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page <b>1 of 3</b>	Date Rec'd in Lab <b>5/25/16</b>	ALPHA Job # <b>L1615657</b>										
		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b> Project Name: <b>Woodtreaters waste characterization</b> Project Location: <b>88 Botsford Place, Buffalo NY</b> Project # <b>24902</b>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other									
<b>Client Information</b> Client: <b>Hazard Evaluations Inc.</b> Address: <b>3752 N. Buffalo Rd Orchard Park, NY 14127</b> Phone: <b>716-667-3130</b> Fax: <b>716-667-3156</b> Email: <b>m.wittman@hazardevaluations.com</b>		(Use Project name as Project #) <input type="checkbox"/> Project Manager: <b>Candy Fox</b> ALPHAQuote #:		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge										
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: <b>5</b>		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility:		<input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:										
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)										
Other project specific requirements/comments: <b>from 05/23/16</b>		Please specify Metals or TAL.		Total Bottles										
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time			Sample Matrix	Sampler's Initials	T. Metals	VOCs/BTEX/TCL	PH	Flashpoint	T Metals	TCLP Metals	Sample Specific Comments
<b>15657-01</b>	<b>S001 D Blaze #6</b>	<b>5/23/16</b>	<b>12:00</b>			<b>LIQ</b>	<b>EB</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>			
<b>-02</b>	<b>S002 D Blaze con Tank #7</b>	<b>5/23/16</b>	<b>12:30pm</b>			<b>Solid</b>	<b>EB</b>	<b>EB X</b>				<b>X</b>		
<b>-03</b>	<b>S003 CBSTank #4 NW100L</b>	<b>5/23/16</b>	<b>12:50pm</b>			<b>LIQ</b>	<b>EB</b>	<b>X</b>						
<b>-04</b>	<b>S004 Clean wood Ac 55gal.drn</b>	<b>5/23/16</b>	<b>1:50pm</b>			<b>LIQ</b>	<b>EB</b>			<b>X</b>				
<b>-05</b>	<b>S005 Northeast addition sump</b>	<b>5/23/16</b>	<b>1:55pm</b>			<b>LIQ</b>	<b>EB</b>				<b>X</b>			
<b>-06</b>	<b>S006 Drums A+B waste oil</b>	<b>5/23/16</b>	<b>2:20pm</b>			<b>LIQ</b>	<b>EB</b>				<b>X</b>			
<b>-07</b>	<b>S007 west of pressure tank pit</b>	<b>5/23/16</b>	<b>2:30pm</b>			<b>LIQ</b>	<b>EB</b>	<b>EB X</b>					<b>X</b>	
<b>-08</b>	<b>S008 SW dryer room trench sump</b>	<b>5/23/16</b>	<b>3:00pm</b>			<b>LIQ</b>	<b>EB</b>						<b>X</b>	
<b>-09</b>	<b>S009 pit west of Tank #182</b>	<b>5/23/16</b>	<b>3:10pm</b>	<b>LIQ</b>	<b>EB</b>	<b>X</b>								
<b>-10</b>	<b>S010 pit north of Tank #3</b>	<b>5/23/16</b>	<b>3:15pm</b>	<b>LIQ</b>	<b>EB</b>	<b>X</b>								
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type P V A A A A		Preservative C B A A A A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)				
		Relinquished By:		Date/Time		Received By:		Date/Time						
		<b>from [Signature]</b>		<b>5/24/16 1230</b>		<b>Audrey Fley</b>		<b>5/24/16 12:30</b>						
		<b>Audrey Fley</b>				<b>[Signature]</b>		<b>5/25/16 0800</b>						

 <b>NEW YORK CHAIN OF CUSTODY</b> Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab	ALPHA Job #																																																																																																																																																							
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		<b>Project Information</b> Project Name: <u>WOOD TREATERS WASTE CHARACTERIZATION</u> Project Location: <u>88 BOTSFORD PLACE, BUFFALO, NY</u> Project # <u>24902</u>			<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other																																																																																																																																																						
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-18	SO19 Drum (blue) in Boiler room	5/23/16	6:05p	Liq	GB			X																																																																																																																																																			
Relinquished By: <u>Eric J. [Signature]</u> <u>Andrey Fley</u>			Date/Time: <u>5/24/16 1230</u> Received By: <u>Andrey Fley</u> <u>[Signature]</u>																																																																																																																																																								
Date/Time: <u>5/24/16 12:30</u> <u>5/25/16 0000</u>			Date/Time:																																																																																																																																																								



 <b>NEW YORK CHAIN OF CUSTODY</b>		<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <b>3 of 3</b>	Date Rec'd in Lab 5/25/16	ALPHA Job # L1615657										
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		<b>Project Information</b> Project Name: <i>Wood treaters Waste Characterization</i> Project Location: <i>88 Botsford Place, Buffalo, NY</i> Project # <i>24902</i> (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> Other	<b>Billing Information</b> <input type="checkbox"/> Same as Client Info PO #									
<b>Client Information</b> Client: <i>Hazard Evaluations, Inc.</i> Address: <i>3752 N. Buffalo Rd Orchard Park NY 14127</i> Phone: <i>716 667 3130</i> Fax: <i>716 667 3156</i> Email: <i>mwhittman@hazardevaluations.com</i>		<b>Project Manager:</b> <i>CANDY FOX</i> <b>ALPHAQuote #:</b> <b>Turn-Around Time</b> Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: <i>5</i>		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:										
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>Other project specific requirements/comments:</b> <i>From 05/23/16</i>		<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)										
<b>Please specify Metals or TAL.</b>		ALPHA Lab ID (Lab Use Only)		Sample ID	Collection Date Time	Sample Matrix	Sampler's Initials	ANALYSIS Results (e.g., Pb, FLASH POINT)	Sample Specific Comments	Total Bottles						
15657-19 -20		S020 S021		Drums A & B unit 4 CANS A & B unit 4		5/23/16 6:15P 5/23/16 6:20P		11Q 11Q		GB GB		X X X X		Pb FLASH POINT	(Empty)	(Empty)
Preservative Code: A = None B = HCl C = HNO3 D = H2SO4 E = NaOH F = MeOH G = NaHSO4 H = Na2S2O3 K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		A A A A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)						
Relinquished By: <i>Candy Fox</i> <i>Candy Fox</i>		Date/Time: <i>5/24/16 1230</i>		Received By: <i>Audrey Foley</i> <i>William Hunt</i>		Date/Time: <i>5/24/16 12:30</i> <i>5/25/16 0000</i>										