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November 19, 2014

Mr. Mark Carlino
Director of Public Works/Town Engineer
Town of Manchester
41 Center Street
Manchester, Connecticut 06045-0191

RE: Hazardous Material and Area of Concern (AOC) Closure Documentation
Town of Manchester Public Bid No. 13/14-9:
Former Nichols Property, Broad Street Manchester
TRC Project No. 203894.000001.000000

Dear Mr. Carlino:

This letter report documents the removal and disposal of hazardous materials from the Former Nichols Property located off Broad Street in Manchester, Connecticut. In addition, results from collection of sidewall and base of excavation samples is provided for the five areas of concern (AOC) previously identified at the subject property. Removal and disposal of five orphan underground storage tanks (USTs) at the property is described in a separate letter report dated October 10, 2014 titled "Underground Storage Tank Closure Documentation". Removal of asbestos containing material, polychlorinated biphenyl (PCB) waste and lead-based paint wastes is described under separate cover in a report dated October 6, 2014 and titled "Compliance Report for the Abatement of Hazardous Materials." Following a brief introductory section, information on characterization and disposal of hazardous materials is followed by an AOC by AOC discussion of analytical results.

Background Information

The former Nichols property is located at the intersection of Broad Street and Little Street in Manchester, Connecticut. The quality of groundwater beneath the Site is classified as GB (CTDEP, 2009). The Nichols Property was formerly comprised of three (3) buildings; the former "Tires International Garage" and "Radiator Shop" located at 295 Broad Street; the former "J 7 M Corvette" and "Furniture Restoration" located at 299 Broad Street, and the former "Speedy Muffler Shop" located at 303 Broad Street. In response to Public Bid No 13/14-9, the Town of Manchester contracted with Associated Building Wreckers, Inc. (ABW), of Springfield, Massachusetts to conduct the building demolition and UST removals. TRC Environmental Corporation (TRC) of Windsor, Connecticut, under contract to the Town

of Manchester, observed and documented the UST removal activities from December 4th through December 16, 2013.

Incident to the UST removal and building demolition, waste materials in the form of used oil, underground storage tank contents, commercial chemical products left behind in buildings as well as miscellaneous containerized waste materials were generated from the project.

Hazardous Materials Characterization and Disposal

Prior to building demolition a number of unused commercial chemical products as well as containerized waste materials were identified inside the buildings at the property. As noted in the aforementioned Compliance Report for the Abatement of Hazardous Materials, a complete list of these items can be found in the Project Manual.

To characterize these materials for off-site disposal and to allow the preparation of waste profiles TRC conducted a focused sampling program on July 30, 2013 to characterize the contents of 55-gallon drums, tanks, as well as characterize heavily stained concrete floors at the site. The objective of the sampling and subsequent laboratory analysis was to generate quantitative data to allow development of bid specifications and to provide prospective bidders with certainty regarding the disposal of select elements of the demolition project. To implement the program, TRC collected eight (8) representative samples from the following locations/materials:

Sample ID	Location: Description	Analytes
295 Broad Oil Drum	295 Broad Street: characterize 6 55-gallon drums of oil	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability
295 Broad Anti-Freeze	295 Broad Street: characterize 2 55-gallon drums of antifreeze	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability
295 Broad AST Comp	295 Broad Street: characterize contents of three 275-gallon ASTs	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability
295 Broad Concrete	295 Broad Street: characterize heavily stained concrete floor	PCBs, TCLP Metals
Drum 14	Outside southeast corner of 295 Broad Street: characterize contents of 55-gallon drum of unknown liquid	Total VOCs, Ignitability, corrosivity, reactivity
AST 4	295 Broad Street boiler room: characterize contents of 330-gallon fuel oil AST	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability
AST 5	299 Broad Street: Characterize contents of 275-gallon used oil AST	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability
299 Broad Concrete	299 Broad Street: characterize stained concrete floor	PCBs

Representative samples were collected as grab samples or as a composite sample if more than one container (55-gallon drum or tank) held a fluid similar in appearance (oil or antifreeze). Samples were submitted to Phoenix Environmental Laboratories, Inc., of Manchester, Connecticut, a Connecticut Department of Health approved laboratory, under standard chain-of-custody protocol. Samples were analyzed for parameters listed in the table above and the results are summarized below. Copies of analytical data are provided as Attachment (1).

Sample ID	Analytes	Characterization
295 Broad Oil Drum	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability	**Hazardous Waste: Used Oil** (lead = 170 ppm)
295 Broad Anti-Freeze	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability	**Hazardous Waste: Used Antifreeze** (lead = 10.5 ppm)
295 Broad AST Comp	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability	**Hazardous Waste: Used Oil** (lead = 11.4 ppm, benzene = 14 ppm, tetrachloroethene = 130 ppm)
295 Broad Concrete	PCBs, TCLP Metals	**Non-regulated**
Drum 14	Total VOCs, Ignitability, corrosivity, reactivity	**Hazardous Waste: Spent Solvent F001/F002** (methylene chloride = 7,200 ppm)
AST 4	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability	**Specification Used Oil Fuel** (Total VOCs = 7,830 ppm – no chlorinated VOCs)
AST 5	PCBs, Total RCRA 8 Metals, Total VOCs, Ignitability	**Hazardous Waste: Used Oil/Spent Solvent F001/F002** (Cadmium = 2.3 ppm, Lead = 81 ppm, tetrachloroethene = 110 ppm)
299 Broad Concrete	PCBs	**Non-regulated**

Incident to the initial sampling event, TRC identified a single 55-gallon polyethylene drum containing a material suspected of being paint stripping residue exposed to the elements outside the former 295 Broad Street Building. This container was observed to be in an unsound condition, with no bung present and the drum bulging and deformed. In response to this condition, TRC collected and analyzed a sample from the drum on a rapid turn-around basis and identified the presence of elevated concentrations of dichloromethane. Once a waste profile was completed, the drum was over-packed and removed from the property on August 13, 2013. A description of the drum contents along with the applicable waste code (D028), hazardous waste manifest number and disposal location is summarized in Table 1.

Remaining containerized waste materials were removed from the property on November 13, 2013 as indicated in Table 1. Materials removed included the contents of above ground oil storage tanks (CR02 waste oil) as well as ethylene glycol (CR04) and a wide variety of both hazardous and non-hazardous containerized materials. A summary of material types, quantity, hazardous or non-hazardous waste codes, manifest, and disposal location is provided in Table 1. Copies of the hazardous or non-hazardous shipping documents, land ban notifications, waste profiles, and verification of the regulatory status of the three waste disposal locations; EQ Detroit, Vexor, and Drug & Laboratory Disposal is provided as Attachment (2).

AOC Closure

TRC oversaw the excavation and collected sidewall and base of excavation samples, where feasible, from the following five AOCs at the former Nichols property:

AOC-4: Used Oil ASTs at 295 Broad Street
AOC-6: Used Oil AST at 299 Broad Street
AOC-8A: Stained Concrete 295 Broad Street
AOC-8B: Debris Area East of 299 Broad Street Building
AOC-12: In-Ground Lifts at 303 Broad Street

A brief summary of the excavations completed at each of the five AOCs is provided below. The approximate location of the AOCs on the property as well as the approximate location of samples is provided in Figure 2.

AOC-4: Used Oil ASTs at 295 Broad Street

This area is described as follows in the November 8, 2010 Remedial Action Plan (RAP), prepared by Fuss & O'Neill for the Town of Manchester.

> *Three 275-gallon ASTs and several drums for used oil were observed in the automobile service area located in the western portion of the building in 2004. A significant amount of staining was observed on the concrete floor in the vicinity of the ASTs. Fuss & O'Neill collected soil samples from this area in 2004 and 2010 that identified the presence of petroleum hydrocarbons at concentrations exceeding RSR criteria. A trace concentration of the volatile organic compound (VOC) tetrachloroethylene was also detected. The release area has not been fully delineated; however, based on observations of this AOC and the data collected to date, we anticipate that an area of approximately 10 feet-by-10 feet in size and no more than 6 feet deep warrants remediation.*

An initial excavation estimate of 22 cubic yards (10 by 10 by 6-feet) was anticipated to be removed from this AOC. Field measurements indicate approximately 22 cubic yards of soil was excavated from an area of 10 by 10 by 6 feet deep. The soil was removed and disposed

off-site as non-hazardous soil to the Town of Manchester, Connecticut landfill under bill-of-lading protocol. Copies of weight tickets for the soil disposal is provided as Attachment (4). Soil samples collected from the four sidewalls near the base of the excavation and one sample from the bottom of the excavation was analyzed for the Connecticut Remediation Standard Regulation (RSR) 15 total metals, Synthetic Precipitation Leaching Procedure (SPLP) metals, Connecticut Extractable Total Petroleum Hydrocarbons (ETPH), polychlorinated Biphenyls (PCBs), volatile organic compounds (VOCs), and polyaromatic hydrocarbons (PAHs). This suite of analyses will hereinafter be referred to as the standard laboratory suite. Laboratory analytical data is provided as Attachment 3 and results are summarized in table 2A.

As indicated in Table 2: AOC-4 Analytical Data Summary, results from sidewall samples indicate the presence of contaminants at concentrations below the GB Pollutant Mobility Criteria (GB PMC) and the Residential Direct Exposure Criteria (RES DEC).

<u>AOC-6: Used Oil AST at 299 Broad Street</u>

This area is described as follows in the November 8, 2010 RAP, prepared by Fuss & O'Neill for the Town of Manchester.

> *J&M Corvettes and previous occupants stored used oil in a 275-gallon AST situated on concrete near the northwest comer of the 299 Broad Street building. A significant amount of staining was observed beneath, on the top of, and down the sides of the AST in 2004 and 2010, as well as on the adjacent retaining wall, indicating that surface spills had occurred while filling the tank. Initial soil sampling within this AOC did not detect a release to soil; however, the presence of the tank and physical limitations prevented us from collecting samples from the locations most likely to have been impacted by a release. Remediation of this area is not indicated at this time; however, we have included the 299 Broad Street Used Oil AST Area as part of this Remedial Action Plan based on visual observations. We have assumed that an impacted area no more than 10-by-10 feet in size and 3 feet deep exists, and that soil directly behind the retaining wall will also be impacted by petroleum hydrocarbons. Additional sampling would be necessary to determine if remediation is warranted; however, stained soil can be assumed to contain concentrations of petroleum hydrocarbons exceeding cleanup criteria.*

An initial excavation estimate of 11 cubic yards (10 by 10 by 3-feet) was anticipated to be removed from this AOC. Field measurements indicate approximately 1 cubic yard of soil was excavated from an area of 3 by 3 by 1-foot deep. Site observations indicate the area occupied by AOC-6 was comprised of clean fine to medium sand with no evidence of discoloration or odors noted. Observations of the general area of AOC-6 did not indicate obvious areas of soil discoloration or odorous soil. The soil was removed and disposed off-site as non-hazardous soil to the Town of Manchester, Connecticut landfill under bill-of-lading protocol. Copies of weight tickets for the soil disposal is provided as Attachment (4).

A soil sample collected from the base of the excavation was analyzed for the standard laboratory suite. Laboratory analytical data is provided as Attachment 3 and results are summarized in Table 2B.

As indicated in Table 2: AOC-6 Analytical Data Summary, results from a sample collected from the base of the excavation indicate the presence of contaminants at concentrations below the GB PMC and the RES DEC.

AOC-8A: Stained Concrete 295 Broad Street

This area is described as follows in the November 8, 2010 RAP, prepared by Fuss & O'Neill for the Town of Manchester.

> *An area of staining was observed on a concrete pad located immediately adjacent to the south of the former automobile service area and west of the storage space. The historical use of this pad is unknown, but staining appeared to be petroleum-related and may be associated with a former air compressor. In 2010, Fuss & O'Neill identified the presence of petroleum hydrocarbons in shallow soil at a concentration exceeding RSR criteria in a boring advanced within the stained area. The extent of impacted soil has not been defined; however, we assume that an area of no more than 10- by-10 feet in size and 4 feet deep warrants remediation.*

An initial excavation estimate of 22 cubic yards (10 by 10 by 6-feet) was anticipated to be removed from this AOC. Field measurements indicate approximately 15 cubic yards of soil was excavated from an area of 10 by 10 by 4-foot deep. The soil was removed and disposed off-site as non-hazardous soil to the Town of Manchester, Connecticut landfill under bill-of-lading protocol. Copies of weight tickets for the soil disposal is provided as Attachment (4).

Soil samples collected from the four sidewalls near the base of the excavation and one sample from the bottom of the excavation were analyzed for the standard laboratory suite. Laboratory analytical data is provided as Attachment 3 and results are summarized in Table 2C.

As indicated in Table 2: AOC-8A Analytical Data Summary, results from sidewall samples indicate the presence of contaminants at concentrations below the GB PMC and the RES DEC.

AOC-8B: Debris Area East of 299 Broad Street Building

This area is described as follows in the November 8, 2010 RAP, prepared by Fuss & O'Neill for the Town of Manchester.

> *An area of debris containing automotive body parts, metal shavings, and other materials was observed above a retaining wall at the eastern end of the 299 Broad Street building. Soil sampling conducted by Fuss & O'Neill in 2004 and 2010*

> *indicated the presence of petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), and lead at concentrations exceeding RSR criteria. Based on the analytical data, soil removed from this area will likely require disposal as a hazardous waste due to the concentrations of lead that exist (mass lead up to 25,900 ppm and TCLP lead of 150 ppm). We assume that remediation of this area will be conducted after the debris has been removed.*
>
> *The lateral and vertical extents of the area to be remediated have not been fully delineated; however, based on physical observation of the debris area and soil samples collected to date, we anticipate that this area will be no more than 20 feet long, 10 feet wide, with a depth of 4 feet.*

An initial excavation estimate of 11 cubic yards (10 by 10 by 3-feet) was anticipated to be removed from this AOC. Field measurements indicate approximately 4 cubic yards of soil was excavated from an area of 5 by 10 by 2-feet deep. The soil was removed and disposed off-site as non-hazardous soil to the Town of Manchester, Connecticut landfill under bill-of-lading protocol. Copies of weight tickets for the soil disposal is provided as Attachment (4).

Soil samples collected from the four sidewalls near the base of the excavation and one sample from the bottom of the excavation were analyzed for the standard laboratory suite (Table 2: AOC-8B-1). Follow-up soil samples were analyzed for total, TCLP and SPLP lead (Table 2: AOC-8B-2). Laboratory analytical data is provided as Attachment 3.

As indicated in Table 2: AOC-8B-1, analytical results from sidewall and base of excavation samples indicate the presence of total and leachable (TCLP methodology) lead at concentrations above GB PMC as well as the presence of total lead at a concentration above the RES DEC (sidewall samples only). In response to these results additional analyses were collected from the northern and eastern sides of the excavation as the southern and western ends were terminated at the concrete retaining walls with no further soil remaining to excavate or sample. The follow-up samples (December 23, 2013) indicated the presence of lead at concentrations below the GB PMC by both TCLP and SPLP methods. The single soil sample collected from the base of the excavation AOC-8B-Bottom indicated the presence of leachable lead (TCLP) above the GB PMC.

<u>AOC-12: 303 Broad Street - In-Ground Lifts</u>

This area is described as follows in the November 8, 2010 RAP, prepared by Fuss & O'Neill for the Town of Manchester.

> *The 303 Broad Street building contains four in ground hydraulic vehicle lifts that were pumped out and abandoned in place prior to 1994. The lifts were reportedly abandoned because the nature of the fill materials beneath the building caused the walls of their vaults to collapse. Soil sampling data collected by Fuss & O'Neill in*

2004 and 2001 indicated the presence of petroleum hydrocarbons at concentrations above RSR criteria in two separate areas, inferred to be associated with a release of hydraulic oil. This AOC is located within the historical landfill (AOC-1); therefore, releases below the water table may be associated with the landfill materials.

The release areas have not been fully delineated; however, based on the collected data, we estimated that the areas proposed for remediation total approximately 400 square feet in size and up to 10 feet deep.

An initial excavation estimate of approximately 148 cubic yards (20 by 20 by 10-feet) was anticipated to be removed from this AOC. Field measurements indicate approximately 90 cubic yards of soil was excavated from an area 21-feet by 38-fet to a depth of eight feet; the depth of the observed water table. Soil from the upper five feet of the excavation was re-used as on-site fill, while the lower 3-feet (5 to 8 feet below ground surface) was removed and disposed off-site as non-hazardous soil to the Town of Manchester, Connecticut landfill under bill-of-lading protocol. Copies of weight tickets for the soil disposal is provided as Attachment (4).

Lift Trench

Prior to the excavation of this area, the in-ground hydraulic lifts, which consisted of seven (7) in ground cylinders and four (4) in-ground hydraulic oil reservoirs were removed by ABW. Prior to removal, the hydraulic oil remaining in each cylinder and reservoir was pumped out and transported offsite for disposal by ABW's subcontractor, Western Mass Environmental, LLC (WME). Due to their proximity, the removal of the cylinders/reservoirs, resulted in an approximately 5 foot deep trench as indicated in Figure 2.

Two soil samples were collected from the northern and southern base of the excavation (at five feet below ground surface) and identified as Lift-N and Lift-S, respectively. Each sample was analyzed for the suite of analysis indicated on Table 2 - Lifts. Note that samples from the lift excavation were submitted on a rush basis in order to avoid delays in the project schedule. Review of the preliminary laboratory data submittal indicated the presence of ETPH at a concentration that exceeded the RES DEC in the northern sample. In response, the northern portion of the excavation was excavated an additional 1 foot (to a total depth of 6 feet below grade) and a second sample (LA-N (2)) was collected. The second sample indicated the presence of ETPH at a concentration above the RES DEC. Additionally, upon receipt of the final validated data, the initial sample (Lift-N) did not indicate the presence of ETPH above RSR criteria. As such the base of the lift excavation at the northern end indicates ETPH above RES DEC at a depth of approximately six feet below ground surface.

AOC-12

Soil samples collected from the four sidewalls near the base of the excavation (6-8 feet below ground surface) and two samples collected from the long axis of the excavation (same depth interval) were analyzed for ETPH (Table 2: AOC-12-1). Follow-up soil samples collected from the southern eastern and northern edge of the excavation were also analyzed for ETPH (Table 2 AOC-12-2). Laboratory analytical data is provided as Attachment 3.

As indicated in Table 2: AOC-12-1, analytical results from five of the six sidewall samples indicated the presence of ETPH at concentrations above RES DEC. In response to these results, the excavation was extended laterally approximately 2-feet in all directions. No bottom samples were collected as the base of the excavation was completed below the observed ground water table. Follow-up samples (Table 2 AOC-12-2) were collected at the new limits of the excavation and indicated the presence of ETPH above RES DEC at the northern, eastern and southern side of the excavation.

The approximate locations of samples from each AOC as shown in Figure 2, with areas of CT RSR exceedance noted with bold red text.

Should you have any questions with regard to this correspondence, please contact me at 860-298-6215 or sfarrick@trcsolutions.com.

Sincerely,

TRC ENVIRONMENTAL

Steven P. Farrick, LEP, CHMM
Senior Project Engineer

Attachments

Table 1
Town of Manchester - Nichols Property

Date	Description	Quantity	UOM	Waste Code	Manifest Number	Disposal Location
August 13, 2013	Waste Dichloromethane	50	G	D028	011104976 JJK	Northland Environmental, LLC 275 Allens Avenue Providence, RI (RID040098352)
November 13, 2013	Waste Acids (sulfuric acid)	50	lbs	D002	011970779 JJK	EQ Detroit, Inc 1923 Frederick Street Detroit, MI (MID960991566)
	Waste Corrosives (sodium hydroxide)	75	lbs	D002		
	Hazardous Waste Liquid (oil, benzene)	605	G	D006 D008 D018 F002		
	Combustible Liquids (petroleum distillates)	30	G	Non-Hazardous CR02		
	Waste Aerosols	30	lbs	D001 D035		
November 13, 2013	Petroleum Oil & Debris	900	lbs	CR02	011970777 JJK	Vexor Technology, Inc. 955 West Smith Road Medina, Ohio (OHD077772895)
	Petroleum Oil & Debris	600	lbs	CR02		
	Grease, Oil, Debris	500	lbs	CR02		
	Latex paint	1,000	lbs	CR04		
	Ethylene Glycol	750	G	CR04		
November 13, 2013	Waste Paint Related Materials	1,200	lbs	D001 D035	011970778 JJK	Drug & Laboratory Disposal, Inc. 331 Broad Street Plainwell, MI (MID092947928)
	Waste Corrosive Liquids (glacial acetic acid)	12	lbs	D001 D002		
	Hazardous Waste Liquid (chromic acid)	2	G	D002 D007		
	Hazardous Waste Liquid (methylene chloride)	800	lbs	F002		
	Environmentally Hazardous Liquid (creosote)	25	G	U051		
December 10, 2013	Petroleum Oil (Residual from hydraulic pistons) (described in 10-10-14 Letter Report)	20	G	MA98	006949254 FLE	Murphy's Waste Oil Services, Inc. 252 Salem Street Woburn, MA 01801 (800) 522-4645

Table 2
AOC-4 Analytical Data Summary

Lab Sample Id		BF87782		BF87783		BF87784		BF87785		BF87786		Connecticut RSR Criteria	
Collection Date		12/12/2013		12/12/2013		12/12/2013		12/12/2013		12/12/2013			
Client Id		**AOC-4-NORTH**		**AOC-4-EAST**		**AOC-4-SOUTH**		**AOC-4-WEST**		**AOC-4-BOTTOM**			
Matrix		Soil		Soil		Soil		Soil		Soil			
	Units	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	GB PMC	RES DEC
Miscellaneous/Inorganics													
Percent Solid	%	98		97		99		98		98			
Metals, Total													
Antimony	mg/Kg									< 3.2	3.2		27
Arsenic	mg/Kg									0.6	0.6		10
Barium	mg/Kg									20.6	0.32		4,700
Beryllium	mg/Kg									< 0.26	0.26		2
Cadmium	mg/Kg									< 0.32	0.32		34
Chromium	mg/Kg									4.83	0.32		
Copper	mg/kg									3.77	0.32		2,500
Lead	mg/Kg									2.05	0.32		400
Mercury	mg/Kg									< 0.06	0.06		20
Nickel	mg/Kg									3.79	0.32		1,400
Selenium	mg/Kg									< 1.3	1.3		340
Silver	mg/Kg									< 0.32	0.32		340
Thallium	mg/Kg									< 2.9	2.9		5.4
Vanadium	mg/Kg									8.35	0.32		470
Zinc	mg/Kg									8.44	0.32		20,000
Metals, SPLP													
SPLP Antimony	mg/L									< 0.005	0.005	0.06	
SPLP Arsenic	mg/L									< 0.004	0.004	0.1	
SPLP Barium	mg/L									0.035	0.01	10	
SPLP Beryllium	mg/L									< 0.001	0.001	0.04	
SPLP Cadmium	mg/L									< 0.005	0.005	0.05	
SPLP Chromium	mg/L									< 0.010	0.01	0.5	
SPLP Copper	mg/L									< 0.010	0.01	13	
SPLP Lead	mg/L									< 0.010	0.01	0.15	
SPLP Mercury	mg/L									< 0.0004	4E-04	0.02	
SPLP Nickel	mg/L									< 0.010	0.01	1	
SPLP Selenium	mg/L									< 0.020	0.02	0.5	
SPLP Silver	mg/L									< 0.010	0.01	0.36	
SPLP Thallium	mg/L									< 0.005	0.005	0.05	
SPLP Vanadium	mg/L									< 0.010	0.01	0.5	
SPLP Zinc	mg/L									< 0.010	0.01	50	
TPH By CT ETPH/8015													
Ext. Petroleum HC	mg/Kg	< 50	50	< 50	50	< 50	50	< 51	51			2,500	500
Identification	mg/Kg	<		<		<		<					
PCBs By SW 8082													
PCB-1016	ug/Kg									< 340	340		1,000
PCB-1221	ug/Kg									< 340	340		1,000
PCB-1232	ug/Kg									< 340	340		1,000
PCB-1242	ug/Kg									< 340	340		1,000
PCB-1248	ug/Kg									< 340	340		1,000
PCB-1254	ug/Kg									< 340	340		1,000
PCB-1260	ug/Kg									< 340	340		1,000
PCB-1262	ug/Kg									< 340	340		1,000
PCB-1268	ug/Kg									< 340	340		1,000
Volatiles By SW8260													
1,1,1,2-Tetrachloroethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	200	24,000
1,1,1-Trichloroethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	40,000	500,000
1,1,2,2-Tetrachloroethane	ug/Kg	< 3.1	3.1	< 3.4	3.4	< 3.1	3.1	< 3.3	3.3	< 3.3	3.3	100	3,100
1,1,2-Trichloroethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,000	11,000
1,1-Dichloroethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	14,000	500,000
1,1-Dichloroethene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,400	1,000
1,1-Dichloropropene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
1,2,3-Trichlorobenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
1,2,3-Trichloropropane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
1,2,4-Trichlorobenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	14,000	680,000
1,2,4-Trimethylbenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	70,000	500,000
1,2-Dibromo-3-chloropropane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		440
1,2-Dibromoethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	100	7
1,2-Dichlorobenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	3100	500000
1,2-Dichloroethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	200	6,700
1,2-Dichloropropane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,000	9,000

Table 2
AOC-4 Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF87782 12/12/2013 **AOC-4-NORTH** Soil		BF87783 12/12/2013 **AOC-4-EAST** Soil		BF87784 12/12/2013 **AOC-4-SOUTH** Soil		BF87785 12/12/2013 **AOC-4-WEST** Soil		BF87786 12/12/2013 **AOC-4-BOTTOM** Soil		**Connecticut RSR Criteria**	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	GB PMC	RES DEC
1,3,5-Trimethylbenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	70,000	500,000
1,3-Dichlorobenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	120,000	500,000
1,3-Dichloropropane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
1,4-Dichlorobenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	15,000	26,000
2,2-Dichloropropane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
2-Chlorotoluene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	2,000	500,000
2-Hexanone	ug/Kg	< 26	26	< 29	29	< 26	26	< 28	28	< 28	28		
2-Isopropyltoluene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
4-Chlorotoluene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	2,000	500,000
4-Methyl-2-pentanone	ug/Kg	< 26	26	< 29	29	< 26	26	< 28	28	< 28	28	14,000	500,000
Acetone	ug/Kg	< 31	31	< 34	34	< 31	31	< 33	33	< 33	33	140,000	500,000
Acrylonitrile	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	100	1,100
Benzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	200	21,000
Bromobenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
Bromochloromethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
Bromodichloromethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	110	9,900
Bromoform	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	800	78,000
Bromomethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	2,000	95,000
Carbon Disulfide	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	140,000	500,000
Carbon tetrachloride	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,000	4,700
Chlorobenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	20,000	500,000
Chloroethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
Chloroform	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,200	100,000
Chloromethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	540	47,000
cis-1,2-Dichloroethene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	14,000	500,000
cis-1,3-Dichloropropene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
Dibromochloromethane	ug/Kg	< 3.1	3.1	< 3.4	3.4	< 3.1	3.1	< 3.3	3.3	< 3.3	3.3	100	7,300
Dibromomethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
Dichlorodifluoromethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
Ethylbenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	10,100	500,000
Hexachlorobutadiene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,000	7,900
Isopropylbenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	132,000	500,000
m&p-Xylene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
Methyl Ethyl Ketone	ug/Kg	< 31	31	< 34	34	< 31	31	< 33	33	< 33	33	80,000	500,000
Methyl t-butyl ether (MTBE)	ug/Kg	< 10	10	< 11	11	< 10	10	< 11	11	< 11	11	20,000	500,000
Methylene chloride	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,000	82,000
Naphthalene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	56,000	1,000,000
n-Butylbenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	14,000	500,000
n-Propylbenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	14,000	500,000
o-Xylene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
p-Isopropyltoluene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	41,800	500,000
sec-Butylbenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	14,000	500,000
Styrene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	20,000	500,000
tert-Butylbenzene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	14,000	500,000
Tetrachloroethene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,000	12,000
Tetrahydrofuran (THF)	ug/Kg	< 10	10	< 11	11	< 10	10	< 11	11	< 11	11		
Toluene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	67,000	500,000
Total Xylenes	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	19,500	500,000
trans-1,2-Dichloroethene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	20,000	500,000
trans-1,3-Dichloropropene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
trans-1,4-dichloro-2-butene	ug/Kg	< 10	10	< 11	11	< 10	10	< 11	11	< 11	11		
Trichloroethene	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	1,000	56,000
Trichlorofluoromethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	260,000	500,000
Trichlorotrifluoroethane	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5		
Vinyl chloride	ug/Kg	< 5.1	5.1	< 5.7	5.7	< 5.2	5.2	< 5.5	5.5	< 5.5	5.5	400	320
Polynuclear Aromatic HC By SW 8270													
2-Methylnaphthalene	ug/Kg									< 230	230	9,800	474,000
Acenaphthene	ug/Kg									< 230	230	84,000	1,000,000
Acenaphthylene	ug/Kg									< 230	230	84,000	1,000,000
Anthracene	ug/Kg									< 230	230	400,000	1,000,000
Benz(a)anthracene	ug/Kg									< 230	230	1,000	1,000
Benzo(a)pyrene	ug/Kg									< 230	230	1,000	1,000
Benzo(b)fluoranthene	ug/Kg									< 230	230	1,000	1,000
Benzo(ghi)perylene	ug/Kg									< 230	230	42,000	1,000,000
Benzo(k)fluoranthene	ug/Kg									< 230	230	1,000	8,400
Chrysene	ug/Kg									< 230	230	1,000	84,000
Dibenz(a,h)anthracene	ug/Kg									< 230	230	1,000	1,000
Fluoranthene	ug/Kg									< 230	230	56,000	1,000,000
Fluorene	ug/Kg									< 230	230	56,000	1,000,000

Table 2
AOC-4 Analytical Data Summary

Lab Sample Id		BF87782		BF87783		BF87784		BF87785		BF87786		**Connecticut RSR Criteria**	
Collection Date		12/12/2013		12/12/2013		12/12/2013		12/12/2013		12/12/2013			
Client Id		**AOC-4-NORTH**		**AOC-4-EAST**		**AOC-4-SOUTH**		**AOC-4-WEST**		**AOC-4-BOTTOM**			
Matrix		Soil		Soil		Soil		Soil		Soil			
	Units	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	GB PMC	RES DEC
Indeno(1,2,3-cd)pyrene	ug/Kg									< 230	230	1,000	1,000
Naphthalene	ug/Kg									< 230	230	56,000	1,000,000
Phenanthrene	ug/Kg									< 230	230	40,000	1,000,000
Pyrene	ug/Kg									< 230	230	40,000	1,000,000

Notes:

Result Detected	
RL Exceeds Criteria	
Result Exceeds Criteria	

Lab Sample Id	**Sample Comments**
BF87782	No Comments
BF87783	No Comments
BF87784	No Comments
BF87785	No Comments
BF87786	No Comments

Table 2
AOC-6 Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF89125 12/16/2013 **AOC-6-BOTTOM** Soil Result	RL	**Connecticut RSR Criteria** GB PMC	RES DEC
Miscellaneous/Inorganics					
Percent Solid	%	98			
Metals, Total					
Antimony	mg/Kg	< 3.1	3.1		27
Arsenic	mg/Kg	1.1	0.6		10
Barium	mg/Kg	23	0.31		4,700
Beryllium	mg/Kg	< 0.25	0.25		2
Cadmium	mg/Kg	< 0.31	0.31		34
Chromium	mg/Kg	7.07	0.31		
Copper	mg/kg	5.61	0.31		2,500
Lead	mg/Kg	6.13	0.31		400
Mercury	mg/Kg	< 0.06	0.06		20
Nickel	mg/Kg	5.29	0.31		1,400
Selenium	mg/Kg	< 1.3	1.3		340
Silver	mg/Kg	< 0.31	0.31		340
Thallium	mg/Kg	< 2.8	2.8		5.4
Vanadium	mg/Kg	13	0.31		470
Zinc	mg/Kg	14.8	0.31		20,000
Metals, SPLP					
SPLP Antimony	mg/L	< 0.005	0.005	0.06	
SPLP Arsenic	mg/L	< 0.004	0.004	0.1	
SPLP Barium	mg/L	0.053	0.01	10	
SPLP Beryllium	mg/L	< 0.001	0.001	0.04	
SPLP Cadmium	mg/L	< 0.005	0.005	0.05	
SPLP Chromium	mg/L	< 0.010	0.01	0.5	
SPLP Copper	mg/L	< 0.010	0.01	13	
SPLP Lead	mg/L	0.013	0.01	0.15	
SPLP Mercury	mg/L	< 0.0004	0.0004	0.02	
SPLP Nickel	mg/L	< 0.010	0.01	1	
SPLP Selenium	mg/L	< 0.020	0.02	0.5	
SPLP Silver	mg/L	< 0.010	0.01	0.36	
SPLP Thallium	mg/L	< 0.005	0.005	0.05	
SPLP Vanadium	mg/L	0.012	0.01	0.5	
SPLP Zinc	mg/L	0.023	0.01	50	
TPH By CT ETPH/8015					
Ext. Petroleum HC	mg/Kg	< 50	50	2,500	500
Identification	mg/Kg	<			
Raw TPH Area	mg/Kg	< 50	50		
PCBs By SW 8082					
PCB-1016	ug/Kg	< 340	340		1,000
PCB-1221	ug/Kg	< 340	340		1,000
PCB-1232	ug/Kg	< 340	340		1,000

Table 2
AOC-6 Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF89125 12/16/2013 **AOC-6-BOTTOM** Soil Result	RL	**Connecticut RSR Criteria**	
				GB PMC	RES DEC
PCB-1242	ug/Kg	< 340	340		1,000
PCB-1248	ug/Kg	< 340	340		1,000
PCB-1254	ug/Kg	< 340	340		1,000
PCB-1260	ug/Kg	< 340	340		1,000
PCB-1262	ug/Kg	< 340	340		1,000
PCB-1268	ug/Kg	< 340	340		1,000
Volatiles By SW8260					
1,1,1,2-Tetrachloroethane	ug/Kg	< 5.3	5.3	200	24,000
1,1,1-Trichloroethane	ug/Kg	< 5.3	5.3	40,000	500,000
1,1,2,2-Tetrachloroethane	ug/Kg	< 3.2	3.2	100	3,100
1,1,2-Trichloroethane	ug/Kg	< 5.3	5.3	1,000	11,000
1,1-Dichloroethane	ug/Kg	< 5.3	5.3	14,000	500,000
1,1-Dichloroethene	ug/Kg	< 5.3	5.3	1,400	1,000
1,1-Dichloropropene	ug/Kg	< 5.3	5.3		
1,2,3-Trichlorobenzene	ug/Kg	< 5.3	5.3		
1,2,3-Trichloropropane	ug/Kg	< 5.3	5.3		
1,2,4-Trichlorobenzene	ug/Kg	< 5.3	5.3	14,000	680,000
1,2,4-Trimethylbenzene	ug/Kg	< 5.3	5.3	70,000	500,000
1,2-Dibromo-3-chloropropane	ug/Kg	< 5.3	5.3		440
1,2-Dibromoethane	ug/Kg	< 5.3	5.3	100	7
1,2-Dichlorobenzene	ug/Kg	< 5.3	5.3	3,100	500,000
1,2-Dichloroethane	ug/Kg	< 5.3	5.3	200	6,700
1,2-Dichloropropane	ug/Kg	< 5.3	5.3	1,000	9,000
1,3,5-Trimethylbenzene	ug/Kg	< 5.3	5.3	70,000	500,000
1,3-Dichlorobenzene	ug/Kg	< 5.3	5.3	120,000	500,000
1,3-Dichloropropane	ug/Kg	< 5.3	5.3		
1,4-Dichlorobenzene	ug/Kg	< 5.3	5.3	15,000	26,000
2,2-Dichloropropane	ug/Kg	< 5.3	5.3		
2-Chlorotoluene	ug/Kg	< 5.3	5.3	2,000	500,000
2-Hexanone	ug/Kg	< 27	27		
2-Isopropyltoluene	ug/Kg	< 5.3	5.3		
4-Chlorotoluene	ug/Kg	< 5.3	5.3	2,000	500,000
4-Methyl-2-pentanone	ug/Kg	< 27	27	14,000	500,000
Acetone	ug/Kg	< 32	32	140,000	500,000
Acrylonitrile	ug/Kg	< 5.3	5.3	100	1,100
Benzene	ug/Kg	< 5.3	5.3	200	21,000
Bromobenzene	ug/Kg	< 5.3	5.3		
Bromochloromethane	ug/Kg	< 5.3	5.3		
Bromodichloromethane	ug/Kg	< 5.3	5.3	110	9,900
Bromoform	ug/Kg	< 5.3	5.3	800	78,000
Bromomethane	ug/Kg	< 5.3	5.3	2,000	95,000
Carbon Disulfide	ug/Kg	< 5.3	5.3	140,000	500,000
Carbon tetrachloride	ug/Kg	< 5.3	5.3	1,000	4,700
Chlorobenzene	ug/Kg	< 5.3	5.3	20,000	500,000
Chloroethane	ug/Kg	< 5.3	5.3		
Chloroform	ug/Kg	< 5.3	5.3	1200	100000
Chloromethane	ug/Kg	< 5.3	5.3	540	47,000

Table 2
AOC-6 Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF89125 12/16/2013 **AOC-6-BOTTOM** Soil Result	RL	**Connecticut RSR Criteria** GB PMC	RES DEC
cis-1,2-Dichloroethene	ug/Kg	< 5.3	5.3	14,000	500,000
cis-1,3-Dichloropropene	ug/Kg	< 5.3	5.3		
Dibromochloromethane	ug/Kg	< 3.2	3.2	100	7,300
Dibromomethane	ug/Kg	< 5.3	5.3		
Dichlorodifluoromethane	ug/Kg	< 5.3	5.3		
Ethylbenzene	ug/Kg	< 5.3	5.3	10,100	500,000
Hexachlorobutadiene	ug/Kg	< 5.3	5.3	1,000	7,900
Isopropylbenzene	ug/Kg	< 5.3	5.3	132,000	500,000
m&p-Xylene	ug/Kg	< 5.3	5.3		
Methyl Ethyl Ketone	ug/Kg	< 32	32	80,000	500,000
Methyl t-butyl ether (MTBE)	ug/Kg	< 11	11	20,000	500,000
Methylene chloride	ug/Kg	< 5.3	5.3	1,000	82,000
Naphthalene	ug/Kg	< 5.3	5.3	56,000	1,000,000
n-Butylbenzene	ug/Kg	< 5.3	5.3	14,000	500,000
n-Propylbenzene	ug/Kg	< 5.3	5.3	14,000	500,000
o-Xylene	ug/Kg	< 5.3	5.3		
p-Isopropyltoluene	ug/Kg	< 5.3	5.3	41,800	500,000
sec-Butylbenzene	ug/Kg	< 5.3	5.3	14,000	500,000
Styrene	ug/Kg	< 5.3	5.3	20,000	500,000
tert-Butylbenzene	ug/Kg	< 5.3	5.3	14,000	500,000
Tetrachloroethene	ug/Kg	< 5.3	5.3	1,000	12,000
Tetrahydrofuran (THF)	ug/Kg	< 11	11		
Toluene	ug/Kg	< 5.3	5.3	67,000	500,000
Total Xylenes	ug/Kg	< 5.3	5.3	19,500	500,000
trans-1,2-Dichloroethene	ug/Kg	< 5.3	5.3	20,000	500,000
trans-1,3-Dichloropropene	ug/Kg	< 5.3	5.3		
trans-1,4-dichloro-2-butene	ug/Kg	< 11	11		
Trichloroethene	ug/Kg	< 5.3	5.3	1,000	56,000
Trichlorofluoromethane	ug/Kg	< 5.3	5.3	260,000	500,000
Trichlorotrifluoroethane	ug/Kg	< 5.3	5.3		
Vinyl chloride	ug/Kg	< 5.3	5.3	400	320
Polynuclear Aromatic HC By SW 8270					
2-Methylnaphthalene	ug/Kg	< 230	230	980	474,000
Acenaphthene	ug/Kg	< 230	230	8,400	1,000,000
Acenaphthylene	ug/Kg	< 230	230	8,400	1,000,000
Anthracene	ug/Kg	< 230	230	40,000	1,000,000
Benz(a)anthracene	ug/Kg	< 230	230	1,000	1,000
Benzo(a)pyrene	ug/Kg	< 230	230	1,000	1,000
Benzo(b)fluoranthene	ug/Kg	< 230	230	1,000	1,000
Benzo(ghi)perylene	ug/Kg	< 230	230	4,200	1,000,000
Benzo(k)fluoranthene	ug/Kg	< 230	230	1,000	8,400
Chrysene	ug/Kg	< 230	230	1,000	84,000
Dibenz(a,h)anthracene	ug/Kg	< 230	230	1,000	1,000
Fluoranthene	ug/Kg	< 230	230	5,600	1,000,000
Fluorene	ug/Kg	< 230	230	5,600	1,000,000
Indeno(1,2,3-cd)pyrene	ug/Kg	< 230	230	1,000	1,000
Naphthalene	ug/Kg	< 230	230	5,600	1,000,000

Table 2
AOC-6 Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF89125 12/16/2013 **AOC-6-BOTTOM** Soil Result	RL	**Connecticut RSR Criteria**	
				GB PMC	RES DEC
Phenanthrene	ug/Kg	< 230	230	4,000	1,000,000
Pyrene	ug/Kg	< 230	230	4,000	1,000,000

Result Detected	
RL Exceeds Criteria	
Result Exceeds Criteria	

Lab Sample Id	**Sample Comments**
BF89125	No Comments
BF89126	**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distributionin the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.
BF89127	No Comments

Table 2
AOC-8A Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF87787 12/12/2013 **AOC-8A-NORTH** Soil		BF87788 12/12/2013 **AOC-8A-EAST** Soil		BF87789 12/12/2013 **AOC-8A-SOUTH** Soil		BF87790 12/12/2013 **AOC-8A-WEST** Soil		BF87791 12/12/2013 **AOC-8A-BOTTOM** Soil		**Connecticut RSR Criteria**	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	**GB PMC**	**RES DEC**
Miscellaneous/Inorganics													
Percent Solid	%	97		94		93		96		98			
Metals, Total													
Antimony	mg/Kg									< 3.1	3.1		27
Arsenic	mg/Kg									0.9	0.6		10
Barium	mg/Kg									14.8	0.31		4,700
Beryllium	mg/Kg									< 0.25	0.25		2
Cadmium	mg/Kg									< 0.31	0.31		34
Chromium	mg/Kg									5.1	0.31		
Copper	mg/kg									4.41	0.31		2,500
Lead	mg/Kg									2.87	0.31		400
Mercury	mg/Kg									< 0.07	0.07		20
Nickel	mg/Kg									4.32	0.31		1,400
Selenium	mg/Kg									< 1.3	1.3		340
Silver	mg/Kg									< 0.31	0.31		340
Thallium	mg/Kg									< 2.8	2.8		5.4
Vanadium	mg/Kg									12.1	0.31		470
Zinc	mg/Kg									8.58	0.31		20,000
Metals, SPLP													
SPLP Antimony	mg/L									< 0.005	0.005	0.06	
SPLP Arsenic	mg/L									< 0.004	0.004	0.1	
SPLP Barium	mg/L									< 0.010	0.01	10	
SPLP Beryllium	mg/L									< 0.001	0.001	0.04	
SPLP Cadmium	mg/L									< 0.005	0.005	0.05	
SPLP Chromium	mg/L									< 0.010	0.01	0.5	
SPLP Copper	mg/L									< 0.010	0.01	13	
SPLP Lead	mg/L									< 0.010	0.01	0.15	
SPLP Mercury	mg/L									< 0.0004	0.0004	0.02	
SPLP Nickel	mg/L									< 0.010	0.01	1	
SPLP Selenium	mg/L									< 0.020	0.02	0.5	
SPLP Silver	mg/L									< 0.010	0.01	0.36	
SPLP Thallium	mg/L									< 0.005	0.005	0.05	
SPLP Vanadium	mg/L									< 0.010	0.01	0.5	
SPLP Zinc	mg/L									< 0.010	0.01	50	
TPH By CT ETPH/8015													
Ext. Petroleum HC	mg/Kg	< 50	50	< 52	52	< 52	52	< 51	51	< 51	51	2,500	500
Identification	mg/Kg	<		<		<		<		<			
PCBs By SW 8082													
PCB-1016	ug/Kg									< 340	340		1,000
PCB-1221	ug/Kg									< 340	340		1,000
PCB-1232	ug/Kg									< 340	340		1,000
PCB-1242	ug/Kg									< 340	340		1,000
PCB-1248	ug/Kg									< 340	340		1,000
PCB-1254	ug/Kg									< 340	340		1,000
PCB-1260	ug/Kg									< 340	340		1,000
PCB-1262	ug/Kg									< 340	340		1,000
PCB-1268	ug/Kg									< 340	340		1,000
Volatiles By SW8260													
1,1,1,2-Tetrachloroethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	200	24,000
1,1,1-Trichloroethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	40,000	500,000
1,1,2,2-Tetrachloroethane	ug/Kg	< 3.1	3.1	< 3.2	3.2	< 3.2	3.2	< 3.1	3.1	< 3.7	3.7	100	3,100
1,1,2-Trichloroethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,000	11,000
1,1-Dichloroethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	14,000	500,000
1,1-Dichloroethene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,400	1,000
1,1-Dichloropropene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
1,2,3-Trichlorobenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
1,2,3-Trichloropropane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
1,2,4-Trichlorobenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	14,000	680,000
1,2,4-Trimethylbenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	70,000	500,000
1,2-Dibromo-3-chloropropane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		440
1,2-Dibromoethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	100	7
1,2-Dichlorobenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	3,100	500,000
1,2-Dichloroethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	200	6,700
1,2-Dichloropropane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,000	9,000
1,3,5-Trimethylbenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	70,000	500,000
1,3-Dichlorobenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	120,000	500,000
1,3-Dichloropropane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
1,4-Dichlorobenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	15,000	26,000

Table 2
AOC-8A Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF87787 12/12/2013 **AOC-8A-NORTH** Soil		BF87788 12/12/2013 **AOC-8A-EAST** Soil		BF87789 12/12/2013 **AOC-8A-SOUTH** Soil		BF87790 12/12/2013 **AOC-8A-WEST** Soil		BF87791 12/12/2013 **AOC-8A-BOTTOM** Soil		**Connecticut RSR Criteria**	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	**GB PMC**	**RES DEC**
2,2-Dichloropropane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
2-Chlorotoluene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	2,000	500,000
2-Hexanone	ug/Kg	< 26	26	< 27	27	< 27	27	< 26	26	< 31	31		
2-Isopropyltoluene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
4-Chlorotoluene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	2,000	500,000
4-Methyl-2-pentanone	ug/Kg	< 26	26	< 27	27	< 27	27	< 26	26	< 31	31	14,000	500,000
Acetone	ug/Kg	< 31	31	< 32	32	< 32	32	< 31	31	< 37	37	140,000	500,000
Acrylonitrile	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	100	1,100
Benzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	200	21,000
Bromobenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
Bromochloromethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
Bromodichloromethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	110	9,900
Bromoform	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	800	78,000
Bromomethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	2,000	95,000
Carbon Disulfide	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	140,000	500,000
Carbon tetrachloride	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,000	4,700
Chlorobenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	20,000	500,000
Chloroethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
Chloroform	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,200	100,000
Chloromethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	540	47,000
cis-1,2-Dichloroethene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	14,000	500,000
cis-1,3-Dichloropropene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
Dibromochloromethane	ug/Kg	< 3.1	3.1	< 3.2	3.2	< 3.2	3.2	< 3.1	3.1	< 3.7	3.7	100	7,300
Dibromomethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
Dichlorodifluoromethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
Ethylbenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	10,100	500,000
Hexachlorobutadiene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,000	7,900
Isopropylbenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	132,000	500,000
m&p-Xylene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
Methyl Ethyl Ketone	ug/Kg	< 31	31	< 32	32	< 32	32	< 31	31	< 37	37	80,000	500,000
Methyl t-butyl ether (MTBE)	ug/Kg	< 10	10	< 11	11	< 11	11	< 10	10	< 12	12	20,000	500,000
Methylene chloride	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,000	82,000
Naphthalene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	56,000	1,000,000
n-Butylbenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	14,000	500,000
n-Propylbenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	14,000	500,000
o-Xylene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
p-Isopropyltoluene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	41,800	500,000
sec-Butylbenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	14,000	500,000
Styrene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	20,000	500,000
tert-Butylbenzene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	14,000	500,000
Tetrachloroethene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,000	12,000
Tetrahydrofuran (THF)	ug/Kg	< 10	10	< 11	11	< 11	11	< 10	10	< 12	12		
Toluene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	67,000	500,000
Total Xylenes	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	19,500	500,000
trans-1,2-Dichloroethene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	20,000	500,000
trans-1,3-Dichloropropene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
trans-1,4-dichloro-2-butene	ug/Kg	< 10	10	< 11	11	< 11	11	< 10	10	< 12	12		
Trichloroethene	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	1,000	56,000
Trichlorofluoromethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	260,000	500,000
Trichlorotrifluoroethane	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1		
Vinyl chloride	ug/Kg	< 5.2	5.2	< 5.3	5.3	< 5.4	5.4	< 5.2	5.2	< 6.1	6.1	400	320
Polynuclear Aromatic HC By SW 8270													
2-Methylnaphthalene	ug/Kg									< 240	240	9,800	474,000
Acenaphthene	ug/Kg									< 240	240	84,000	1,000,000
Acenaphthylene	ug/Kg									< 240	240	84,000	1,000,000
Anthracene	ug/Kg									< 240	240	400,000	1,000,000
Benz(a)anthracene	ug/Kg									< 240	240	1,000	1,000
Benzo(a)pyrene	ug/Kg									< 240	240	1,000	1,000
Benzo(b)fluoranthene	ug/Kg									< 240	240	1,000	1,000
Benzo(ghi)perylene	ug/Kg									< 240	240	42,000	1,000,000
Benzo(k)fluoranthene	ug/Kg									< 240	240	1,000	8,400
Chrysene	ug/Kg									< 240	240	1,000	84,000
Dibenz(a,h)anthracene	ug/Kg									< 240	240	1,000	1,000
Fluoranthene	ug/Kg									< 240	240	56,000	1,000,000
Fluorene	ug/Kg									< 240	240	56,000	1,000,000
Indeno(1,2,3-cd)pyrene	ug/Kg									< 240	240	1,000	1,000
Naphthalene	ug/Kg									< 240	240	56,000	1,000,000
Phenanthrene	ug/Kg									< 240	240	40,000	1,000,000
Pyrene	ug/Kg									< 240	240	40,000	1,000,000

Table 2
AOC-8A Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix Units	BF87787 12/12/2013 **AOC-8A-NORTH** Soil Result	RL	BF87788 12/12/2013 **AOC-8A-EAST** Soil Result	RL	BF87789 12/12/2013 **AOC-8A-SOUTH** Soil Result	RL	BF87790 12/12/2013 **AOC-8A-WEST** Soil Result	RL	BF87791 12/12/2013 **AOC-8A-BOTTOM** Soil Result	RL	**Connecticut RSR Criteria** **GB PMC**	**RES DEC**

Result Detected	
RL Exceeds Criteria	
Result Exceeds Criteria	

Lab Sample Id	**Sample Comments**
BF87787	No Comments
BF87788	No Comments
BF87789	No Comments
BF87790	No Comments
BF87791	No Comments

Table 2
AOC-8B-1 Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF90119 12/18/2013 **AOC-8B-N** Solid Result	RL	BF90120 12/18/2013 **AOC-8B-E** Solid Result	RL	BF90121 12/18/2013 **AOC-8B-S** Solid Result	RL	BF90122 12/18/2013 **AOC-8B-W** Solid Result	RL	BF90123 12/18/2013 **AOC-8B-BOTTOM** Solid Result	RL	**Connecticut RSR Criteria** GB PMC	RES DEC
Miscellaneous/Inorganics													
Percent Solid	%	94		89		94		95		94			
Metals, Total													
Antimony	mg/Kg	< 3.6	3.6	< 3.6	3.6	< 3.7	3.7	< 3.3	3.3	< 3.6	3.6		27
Arsenic	mg/Kg	1.2	0.7	1.5	0.7	1.4	0.7	1.1	0.7	1.1	0.7		10
Barium	mg/Kg	29.5	0.36	54.8	0.36	30.5	0.37	25	0.33	24.6	0.36		4,700
Beryllium	mg/Kg	< 0.29	0.29	< 0.29	0.29	< 0.30	0.3	< 0.27	0.27	< 0.29	0.29		2
Cadmium	mg/Kg	0.72	0.36	1.43	0.36	1.27	0.37	1.23	0.33	1.49	0.36		34
Chromium	mg/Kg	11	0.36	12.3	0.36	10	0.37	8.76	0.33	9.98	0.36		
Copper	mg/kg	264	3.6	538	3.6	348	3.7	340	3.3	86.2	0.36		2,500
Lead	mg/Kg	312	3.6	977	3.6	3,580	36	810	3.3	116	0.36		400
Mercury	mg/Kg	< 0.08	0.08	< 0.08	0.08	< 0.08	0.08	< 0.07	0.07	< 0.08	0.08		20
Nickel	mg/Kg	7.79	0.36	8.91	0.36	7.14	0.37	7.59	0.33	5.95	0.36		1,400
Selenium	mg/Kg	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5	< 1.3	1.3	< 1.5	1.5		340
Silver	mg/Kg	< 0.36	0.36	< 0.90	0.9	< 0.37	0.37	< 0.50	0.5	< 0.36	0.36		340
Thallium	mg/Kg	< 3.3	3.3	< 3.3	3.3	< 3.4	3.4	< 3.0	3	< 3.3	3.3		5.4
Vanadium	mg/Kg	16	0.36	13.3	0.36	15.8	0.37	11.9	0.33	16.1	0.36		470
Zinc	mg/Kg	79.5	0.36	222	3.6	105	0.37	313	3.3	49.9	0.36		20,000
Metals, TCLP													
TCLP Arsenic	mg/L	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.1	
TCLP Barium	mg/L	0.44	0.01	0.49	0.01	0.53	0.01	0.55	0.01	0.35	0.01	10	
TCLP Cadmium	mg/L	0.022	0.005	0.034	0.005	0.044	0.005	0.047	0.005	0.014	0.005	0.05	
TCLP Chromium	mg/L	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	0.016	0.01	0.5	
TCLP Lead	mg/L	4.26	0.1	16.1	0.1	13.2	0.1	24.4	1	0.889	0.01	0.15	
TCLP Mercury	mg/L	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	0.02	
TCLP Selenium	mg/L	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01	0.5	
TCLP Silver	mg/L	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	0.36	
TPH By CT ETPH/8015													
Ext. Petroleum HC	mg/Kg	< 52	52	140	55	140	53	130	51	< 52	52	2,500	500
Identification	mg/Kg	<		**		<		<		<			
Raw TPH Area	mg/Kg	< 52	52	150	55	140	53	140	51	< 52	52		
PCBs By SW 8082													
PCB-1016	ug/Kg									< 350	350		1,000
PCB-1221	ug/Kg									< 350	350		1,000
PCB-1232	ug/Kg									< 350	350		1,000
PCB-1242	ug/Kg									< 350	350		1,000
PCB-1248	ug/Kg									< 350	350		1,000
PCB-1254	ug/Kg									< 350	350		1,000
PCB-1260	ug/Kg									< 350	350		1,000
PCB-1262	ug/Kg									< 350	350		1,000
PCB-1268	ug/Kg									< 350	350		1,000
Volatiles By SW8260													
1,1,1,2-Tetrachloroethane	ug/Kg									< 9.3	9.3	200	24,000
1,1,1-Trichloroethane	ug/Kg									< 9.3	9.3	40,000	500,000
1,1,2,2-Tetrachloroethane	ug/Kg									< 5.6	5.6	100	3,100
1,1,2-Trichloroethane	ug/Kg									< 9.3	9.3	1,000	11,000
1,1-Dichloroethane	ug/Kg									< 9.3	9.3	14,000	500,000
1,1-Dichloroethene	ug/Kg									< 9.3	9.3	1,400	1,000
1,1-Dichloropropene	ug/Kg									< 9.3	9.3		
1,2,3-Trichlorobenzene	ug/Kg									< 9.3	9.3		
1,2,3-Trichloropropane	ug/Kg									< 9.3	9.3		
1,2,4-Trichlorobenzene	ug/Kg									< 9.3	9.3	14,000	680,000
1,2,4-Trimethylbenzene	ug/Kg									< 9.3	9.3	70,000	500,000
1,2-Dibromo-3-chloropropane	ug/Kg									< 9.3	9.3		440
1,2-Dibromoethane	ug/Kg									< 7	7	100	7
1,2-Dichlorobenzene	ug/Kg									< 9.3	9.3	3,100	500,000
1,2-Dichloroethane	ug/Kg									< 9.3	9.3	200	6,700
1,2-Dichloropropane	ug/Kg									< 9.3	9.3	1,000	9,000
1,3,5-Trimethylbenzene	ug/Kg									< 9.3	9.3	70,000	500,000
1,3-Dichlorobenzene	ug/Kg									< 9.3	9.3	120,000	500,000
1,3-Dichloropropane	ug/Kg									< 9.3	9.3		
1,4-Dichlorobenzene	ug/Kg									< 9.3	9.3	15,000	26,000
2,2-Dichloropropane	ug/Kg									< 9.3	9.3		
2-Chlorotoluene	ug/Kg									< 9.3	9.3	2,000	500,000
2-Hexanone	ug/Kg									< 47	47		
2-Isopropyltoluene	ug/Kg									< 9.3	9.3		
4-Chlorotoluene	ug/Kg									< 9.3	9.3	2,000	500,000
4-Methyl-2-pentanone	ug/Kg									< 47	47	14,000	500,000
Acetone	ug/Kg									< 56	56	140,000	500,000
Acrylonitrile	ug/Kg									< 9.3	9.3	100	1,100
Benzene	ug/Kg									< 9.3	9.3	200	21,000
Bromobenzene	ug/Kg									< 9.3	9.3		
Bromochloromethane	ug/Kg									< 9.3	9.3		
Bromodichloromethane	ug/Kg									< 9.3	9.3	110	9,900
Bromoform	ug/Kg									< 9.3	9.3	800	78,000
Bromomethane	ug/Kg									< 9.3	9.3	2,000	95,000
Carbon Disulfide	ug/Kg									< 9.3	9.3	140,000	500,000
Carbon tetrachloride	ug/Kg									< 9.3	9.3	1,000	4,700
Chlorobenzene	ug/Kg									< 9.3	9.3	20,000	500,000
Chloroethane	ug/Kg									< 9.3	9.3		
Chloroform	ug/Kg									< 9.3	9.3	1,200	100,000

Table 2
AOC-8B-1 Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF90119 12/18/2013 **AOC-8B-N** Solid Result	RL	BF90120 12/18/2013 **AOC-8B-E** Solid Result	RL	BF90121 12/18/2013 **AOC-8B-S** Solid Result	RL	BF90122 12/18/2013 **AOC-8B-W** Solid Result	RL	BF90123 12/18/2013 **AOC-8B-BOTTOM** Solid Result	RL	**Connecticut RSR Criteria** GB PMC	RES DEC
Chloromethane	ug/Kg									< 9.3	9.3	540	47,000
cis-1,2-Dichloroethene	ug/Kg									< 9.3	9.3	14,000	500,000
cis-1,3-Dichloropropene	ug/Kg									< 9.3	9.3		
Dibromochloromethane	ug/Kg									< 5.6	5.6	100	7,300
Dibromomethane	ug/Kg									< 9.3	9.3		
Dichlorodifluoromethane	ug/Kg									< 9.3	9.3		
Ethylbenzene	ug/Kg									< 9.3	9.3	10,100	500,000
Hexachlorobutadiene	ug/Kg									< 9.3	9.3	1,000	7,900
Isopropylbenzene	ug/Kg									< 9.3	9.3	132,000	500,000
m&p-Xylene	ug/Kg									< 9.3	9.3		
Methyl Ethyl Ketone	ug/Kg									< 56	56	80,000	500,000
Methyl t-butyl ether (MTBE)	ug/Kg									< 19	19	20,000	500,000
Methylene chloride	ug/Kg									< 9.3	9.3	1,000	82,000
Naphthalene	ug/Kg									< 9.3	9.3	56,000	1,000,000
n-Butylbenzene	ug/Kg									< 9.3	9.3	14,000	500,000
n-Propylbenzene	ug/Kg									< 9.3	9.3	14,000	500,000
o-Xylene	ug/Kg									< 9.3	9.3		
p-Isopropyltoluene	ug/Kg									< 9.3	9.3	41,800	500,000
sec-Butylbenzene	ug/Kg									< 9.3	9.3	14,000	500,000
Styrene	ug/Kg									< 9.3	9.3	20,000	500,000
tert-Butylbenzene	ug/Kg									< 9.3	9.3	14,000	500,000
Tetrachloroethene	ug/Kg									< 9.3	9.3	1,000	12,000
Tetrahydrofuran (THF)	ug/Kg									< 19	19		
Toluene	ug/Kg									< 9.3	9.3	67,000	500,000
Total Xylenes	ug/Kg									< 9.3	9.3	19,500	500,000
trans-1,2-Dichloroethene	ug/Kg									< 9.3	9.3	20,000	500,000
trans-1,3-Dichloropropene	ug/Kg									< 9.3	9.3		
trans-1,4-dichloro-2-butene	ug/Kg									< 19	19		
Trichloroethene	ug/Kg									< 9.3	9.3	1,000	56,000
Trichlorofluoromethane	ug/Kg									< 9.3	9.3	260,000	500,000
Trichlorotrifluoroethane	ug/Kg									< 9.3	9.3		
Vinyl chloride	ug/Kg									< 9.3	9.3	400	320
Polynuclear Aromatic HC By SW 8270													
2-Methylnaphthalene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	9,800	474,000
Acenaphthene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	84,000	1,000,000
Acenaphthylene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	84,000	1,000,000
Anthracene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	400,000	1,000,000
Benz(a)anthracene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	1,000	1,000
Benzo(a)pyrene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	1,000	1,000
Benzo(b)fluoranthene	ug/Kg	< 250	250	340	260	< 250	250	260	240	350	240	1,000	1,000
Benzo(ghi)perylene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	42,000	1,000,000
Benzo(k)fluoranthene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	1,000	8,400
Chrysene	ug/Kg	< 250	250	270	260	< 250	250	< 240	240	< 240	240	1,000	84,000
Dibenz(a,h)anthracene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	1,000	1,000
Fluoranthene	ug/Kg	< 250	250	320	260	< 250	250	< 240	240	310	240	56,000	1,000,000
Fluorene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	56,000	1,000,000
Indeno(1,2,3-cd)pyrene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	1,000	1,000
Naphthalene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	56,000	1,000,000
Phenanthrene	ug/Kg	< 250	250	< 260	260	< 250	250	< 240	240	< 240	240	40,000	1,000,000
Pyrene	ug/Kg	< 250	250	270	260	< 250	250	< 240	240	250	240	40,000	1,000,000

Result Detected
RL Exceeds Criteria
Result Exceeds Criteria

Lab Sample Id	**Sample Comments**
BF90119	No Comments
BF90120	**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.
BF90121	**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.
BF90122	No Comments
BF90123	No Comments

Table 2
AOC-8B-2 Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF91750 12/23/2013 **AOC-8B-N-2** Soil Result	RL	BF91751 12/23/2013 **AOC-8B-E-2** Soil Result	RL	**Connecticut RSR Criteria** GB PMC	RES DEC	**Federal Criteria** 40 CFR 261.24
Metals, Total								
Lead	mg/Kg	18.5	0.33	7.9	0.32		400	
Metals, TCLP								
TCLP Lead	mg/L	0.03	0.01	0.013	0.01	0.15		5
Metals, SPLP								
SPLP Lead	mg/L	0.014	0.01	0.013	0.01	0.15		

Result Detected	
RL Exceeds Criteria	
Result Exceeds Criteria	
Lab Sample Id	**Sample Comments**
BF91750	No Comments
BF91751	No Comments

Table 2
LIFT Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF89126 12/16/2013 **LIFT N** Soil Result	RL	BF89127 12/16/2013 **LIFT S** Soil Result	RL	BF90124 12/18/2013 **LA-N (2)** Solid Result	RL	**Connecticut RSR Criteria** GB PMC	RES DEC
Miscellaneous/Inorganics						Result	RL		
Percent Solid	%	87		95		93			
Metals, Total									
Antimony	mg/Kg	< 3.8	3.8	< 3.6	3.6				27
Arsenic	mg/Kg	1.4	0.8	1.5	0.7				10
Barium	mg/Kg	28.8	0.38	24.7	0.36				4,700
Beryllium	mg/Kg	< 0.30	0.3	< 0.28	0.28				2
Cadmium	mg/Kg	< 0.38	0.38	< 0.36	0.36				34
Chromium	mg/Kg	8	0.38	6.99	0.36				
Copper	mg/kg	10.7	0.38	9.34	0.36				2,500
Lead	mg/Kg	27.8	0.38	27.6	0.36				400
Mercury	mg/Kg	< 0.07	0.07	< 0.06	0.06				20
Nickel	mg/Kg	6.13	0.38	4.89	0.36				1,400
Selenium	mg/Kg	< 1.5	1.5	< 1.4	1.4				340
Silver	mg/Kg	< 0.38	0.38	< 0.36	0.36				340
Thallium	mg/Kg	< 3.4	3.4	< 3.2	3.2				5.4
Vanadium	mg/Kg	17.3	0.38	14.1	0.36				470
Zinc	mg/Kg	22.6	0.38	17.3	0.36				20,000
Metals, SPLP									
SPLP Antimony	mg/L	< 0.005	0.005	< 0.005	0.005			0.06	
SPLP Arsenic	mg/L	< 0.004	0.004	< 0.004	0.004			0.1	
SPLP Barium	mg/L	0.087	0.01	0.053	0.01			10	
SPLP Beryllium	mg/L	< 0.001	0.001	< 0.001	0.001			0.04	
SPLP Cadmium	mg/L	< 0.005	0.005	< 0.005	0.005			0.05	
SPLP Chromium	mg/L	< 0.010	0.01	< 0.010	0.01			0.5	
SPLP Copper	mg/L	0.024	0.01	0.012	0.01			13	
SPLP Lead	mg/L	0.096	0.01	0.05	0.01			0.15	
SPLP Mercury	mg/L	< 0.0004	0.0004	< 0.0004	0.0004			0.02	
SPLP Nickel	mg/L	< 0.010	0.01	< 0.010	0.01			1	
SPLP Selenium	mg/L	< 0.020	0.02	< 0.020	0.02			0.5	
SPLP Silver	mg/L	< 0.010	0.01	< 0.010	0.01			0.36	
SPLP Thallium	mg/L	< 0.005	0.005	< 0.005	0.005			0.05	
SPLP Vanadium	mg/L	0.023	0.01	< 0.010	0.01			0.5	
SPLP Zinc	mg/L	0.044	0.01	0.024	0.01			50	
TPH By CT ETPH/8015									
Ext. Petroleum HC	mg/Kg	< 57	57	< 52	52	2,400	520	2500	500
Identification	mg/Kg	<		<		**			
Raw TPH Area	mg/Kg	< 57	57			2,500	520		
PCBs By SW 8082									
PCB-1016	ug/Kg	< 370	370	< 350	350				1,000
PCB-1221	ug/Kg	< 370	370	< 350	350				1,000
PCB-1232	ug/Kg	< 370	370	< 350	350				1,000
PCB-1242	ug/Kg	< 370	370	< 350	350				1,000
PCB-1248	ug/Kg	< 370	370	< 350	350				1,000
PCB-1254	ug/Kg	< 370	370	< 350	350				1,000
PCB-1260	ug/Kg	< 370	370	< 350	350				1,000
PCB-1262	ug/Kg	< 370	370	< 350	350				1,000
PCB-1268	ug/Kg	< 370	370	< 350	350				1,000
Volatiles By SW8260									
1,1,1,2-Tetrachloroethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			200	24,000
1,1,1-Trichloroethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			40,000	500,000
1,1,2,2-Tetrachloroethane	ug/Kg	< 3.0	3	< 3.1	3.1			100	3,100
1,1,2-Trichloroethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			1,000	11,000
1,1-Dichloroethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			14,000	500,000
1,1-Dichloroethene	ug/Kg	< 5.1	5.1	< 5.2	5.2			1,400	1,000

Table 2
LIFT Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF89126 12/16/2013 **LIFT N** Soil Result	RL	BF89127 12/16/2013 **LIFT S** Soil Result	RL	BF90124 12/18/2013 **LA-N (2)** Solid Result	RL	**Connecticut RSR Criteria** GB PMC	RES DEC
1,1-Dichloropropene	ug/Kg	< 5.1	5.1	< 5.2	5.2				
1,2,3-Trichlorobenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2				
1,2,3-Trichloropropane	ug/Kg	< 5.1	5.1	< 5.2	5.2				
1,2,4-Trichlorobenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			14,000	680,000
1,2,4-Trimethylbenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			70,000	500,000
1,2-Dibromo-3-chloropropane	ug/Kg	< 5.1	5.1	< 5.2	5.2				440
1,2-Dibromoethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			100	7
1,2-Dichlorobenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			3,100	500,000
1,2-Dichloroethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			200	6,700
1,2-Dichloropropane	ug/Kg	< 5.1	5.1	< 5.2	5.2			1,000	9,000
1,3,5-Trimethylbenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			70,000	500,000
1,3-Dichlorobenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			120,000	500,000
1,3-Dichloropropane	ug/Kg	< 5.1	5.1	< 5.2	5.2				
1,4-Dichlorobenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			15,000	26,000
2,2-Dichloropropane	ug/Kg	< 5.1	5.1	< 5.2	5.2				
2-Chlorotoluene	ug/Kg	< 5.1	5.1	< 5.2	5.2			2,000	500,000
2-Hexanone	ug/Kg	< 25	25	< 26	26				
2-Isopropyltoluene	ug/Kg	< 5.1	5.1	< 5.2	5.2				
4-Chlorotoluene	ug/Kg	< 5.1	5.1	< 5.2	5.2			2,000	500,000
4-Methyl-2-pentanone	ug/Kg	< 25	25	< 26	26			14,000	500,000
Acetone	ug/Kg	< 30	30	< 31	31			140,000	500,000
Acrylonitrile	ug/Kg	< 5.1	5.1	< 5.2	5.2			100	1,100
Benzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			200	21,000
Bromobenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2				
Bromochloromethane	ug/Kg	< 5.1	5.1	< 5.2	5.2				
Bromodichloromethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			110	9,900
Bromoform	ug/Kg	< 5.1	5.1	< 5.2	5.2			800	78,000
Bromomethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			2,000	95,000
Carbon Disulfide	ug/Kg	< 5.1	5.1	< 5.2	5.2			140,000	500,000
Carbon tetrachloride	ug/Kg	< 5.1	5.1	< 5.2	5.2			1,000	4,700
Chlorobenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			20,000	500,000
Chloroethane	ug/Kg	< 5.1	5.1	< 5.2	5.2				
Chloroform	ug/Kg	< 5.1	5.1	< 5.2	5.2			1,200	100,000
Chloromethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			540	47,000
cis-1,2-Dichloroethene	ug/Kg	< 5.1	5.1	< 5.2	5.2			14,000	500,000
cis-1,3-Dichloropropene	ug/Kg	< 5.1	5.1	< 5.2	5.2				
Dibromochloromethane	ug/Kg	< 3.0	3	< 3.1	3.1			100	7300
Dibromomethane	ug/Kg	< 5.1	5.1	< 5.2	5.2				
Dichlorodifluoromethane	ug/Kg	< 5.1	5.1	< 5.2	5.2				
Ethylbenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			10,100	500,000
Hexachlorobutadiene	ug/Kg	< 5.1	5.1	< 5.2	5.2			1,000	7,900
Isopropylbenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			132,000	500,000
m&p-Xylene	ug/Kg	< 5.1	5.1	< 5.2	5.2				
Methyl Ethyl Ketone	ug/Kg	< 30	30	< 31	31			80,000	500,000
Methyl t-butyl ether (MTBE)	ug/Kg	< 10	10	< 10	10			20,000	500,000
Methylene chloride	ug/Kg	< 5.1	5.1	< 5.2	5.2			1,000	82,000
Naphthalene	ug/Kg	< 5.1	5.1	< 5.2	5.2			56,000	1,000,000
n-Butylbenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			14,000	500,000
n-Propylbenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			14,000	500,000
o-Xylene	ug/Kg	< 5.1	5.1	< 5.2	5.2				
p-Isopropyltoluene	ug/Kg	< 5.1	5.1	< 5.2	5.2			41,800	500,000
sec-Butylbenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			14,000	500,000
Styrene	ug/Kg	< 5.1	5.1	< 5.2	5.2			20,000	500,000
tert-Butylbenzene	ug/Kg	< 5.1	5.1	< 5.2	5.2			14,000	500,000
Tetrachloroethene	ug/Kg	< 5.1	5.1	< 5.2	5.2			1,000	12,000
Tetrahydrofuran (THF)	ug/Kg	< 10	10	< 10	10				
Toluene	ug/Kg	< 5.1	5.1	< 5.2	5.2			67,000	500,000
Total Xylenes	ug/Kg	< 5.1	5.1	< 5.2	5.2			19,500	500,000
trans-1,2-Dichloroethene	ug/Kg	< 5.1	5.1	< 5.2	5.2			2,000	500,000
trans-1,3-Dichloropropene	ug/Kg	< 5.1	5.1	< 5.2	5.2				

Table 2
LIFT Analytical Data Summary

Lab Sample Id Collection Date **Client Id** Matrix	Units	BF89126 12/16/2013 **LIFT N** Soil Result	RL	BF89127 12/16/2013 **LIFT S** Soil Result	RL	BF90124 12/18/2013 **LA-N (2)** Solid Result	RL	**Connecticut RSR Criteria** GB PMC	RES DEC
trans-1,4-dichloro-2-butene	ug/Kg	< 10	10	< 10	10				
Trichloroethene	ug/Kg	< 5.1	5.1	< 5.2	5.2			100	56,000
Trichlorofluoromethane	ug/Kg	< 5.1	5.1	< 5.2	5.2			26,000	500,000
Trichlorotrifluoroethane	ug/Kg	< 5.1	5.1	< 5.2	5.2				
Vinyl chloride	ug/Kg	< 5.1	5.1	< 5.2	5.2			40	320
Polynuclear Aromatic HC By SW 8270									
2-Methylnaphthalene	ug/Kg	< 260	260	< 240	240			9,800	474,000
Acenaphthene	ug/Kg	< 260	260	< 240	240			84,000	1,000,000
Acenaphthylene	ug/Kg	< 260	260	< 240	240			84,000	1,000,000
Anthracene	ug/Kg	< 260	260	< 240	240			400,000	1,000,000
Benz(a)anthracene	ug/Kg	< 260	260	< 240	240			1,000	1,000
Benzo(a)pyrene	ug/Kg	< 260	260	< 240	240			1,000	1,000
Benzo(b)fluoranthene	ug/Kg	< 260	260	< 240	240			1,000	1,000
Benzo(ghi)perylene	ug/Kg	< 260	260	< 240	240			42,000	1,000,000
Benzo(k)fluoranthene	ug/Kg	< 260	260	< 240	240			1,000	8,400
Chrysene	ug/Kg	< 260	260	< 240	240			1,000	84,000
Dibenz(a,h)anthracene	ug/Kg	< 260	260	< 240	240			1,000	1,000
Fluoranthene	ug/Kg	< 260	260	< 240	240			56,000	1,000,000
Fluorene	ug/Kg	< 260	260	< 240	240			56,000	1,000,000
Indeno(1,2,3-cd)pyrene	ug/Kg	< 260	260	< 240	240			1,000	1,000
Naphthalene	ug/Kg	< 260	260	< 240	240			56,000	1,000,000
Phenanthrene	ug/Kg	< 260	260	< 240	240			40,000	1,000,000
Pyrene	ug/Kg	< 260	260	< 240	240			40,000	1,000,000

Result Detected
RL Exceeds Criteria
Result Exceeds Criteria

Table 2
AOC-12-1 Analytical Data Summary

Lab Sample Id		BF89670		BF89671		BF89672		BF89673		BF89674		BF89675		Connecticut RSR Criteria	
Collection Date		12/17/2013		12/17/2013		12/17/2013		12/17/2013		12/17/2013		12/17/2013			
Client Id		AOC-12-SW		AOC-12-NW		AOC-12-N		AOC-12-NE		AOC-12-SE		AOC-12-S			
Matrix		Solid		Solid		Solid		Solid		Solid		Solid			
	Units	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	GB PMC	RES DEC
Miscellaneous/Inorganics															
Percent Solid	%	85		87		86		88		89		85			
TPH By CT ETPH/8015															
Ext. Petroleum HC	mg/Kg	4,600	590	< 57	57	840	56	1,400	110	1,000	56	2,000	290	2,500	500
Identification	mg/Kg	**		<		**		**		**		**			
Raw TPH Area	mg/Kg	4,600	590	< 57	57	840	56	1,400	110	1,000	56	2,000	290		
TPH By CT ETPH															
Ext. Petroleum HC	mg/L	< 0.10	0.1					< 0.10	0.1			< 0.10	0.1		
Identification	mg/L	< 0.10	0.1					< 0.10	0.1			< 0.10	0.1		
Raw TPH Area	mg/L	< 0.10	0.1					< 0.10	0.1			< 0.10	0.1		

Result Detected
RL Exceeds Criteria
Result Exceeds Criteria

Lab Sample Id	**Sample Comments**
BF89670	**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C18 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.
BF89671	No Comments
BF89672	**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.
BF89673	**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.
BF89674	**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.
BF89675	**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

Table 2
AOC-12-2 Analytical Data Summary

Lab Sample Id		BF91167		BF91168		BF91169		BF91170		BF91171		Connecticut RSR Criteria	
Collection Date		12/20/2013		12/20/2013		12/20/2013		12/20/2013		12/20/2013			
Client Id		**AOC-12-N (2)**		**AOC-12-NE (2)**		**AOC-12-SW (2)**		**AOC-12-S (2)**		**AOC-12-E (2)**			
Matrix		Soil		Soil		Soil		Soil		Soil			
	Units	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	GB PMC	RES DEC
Miscellaneous/Inorganics													
Percent Solid	%	89		84		79		85		90			
TPH By CT ETPH/8015													
Ext. Petroleum HC	mg/Kg	810	56	1,200	120	490	62	750	57	< 55	55	2,500	500
Identification	mg/Kg	<		**		**		**		<			
Raw TPH Area	mg/Kg	810	56	1,200	120	490	62	760	57	< 55	55		

Result Detected
RL Exceeds Criteria
Result Exceeds Criteria

BF91167 **Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

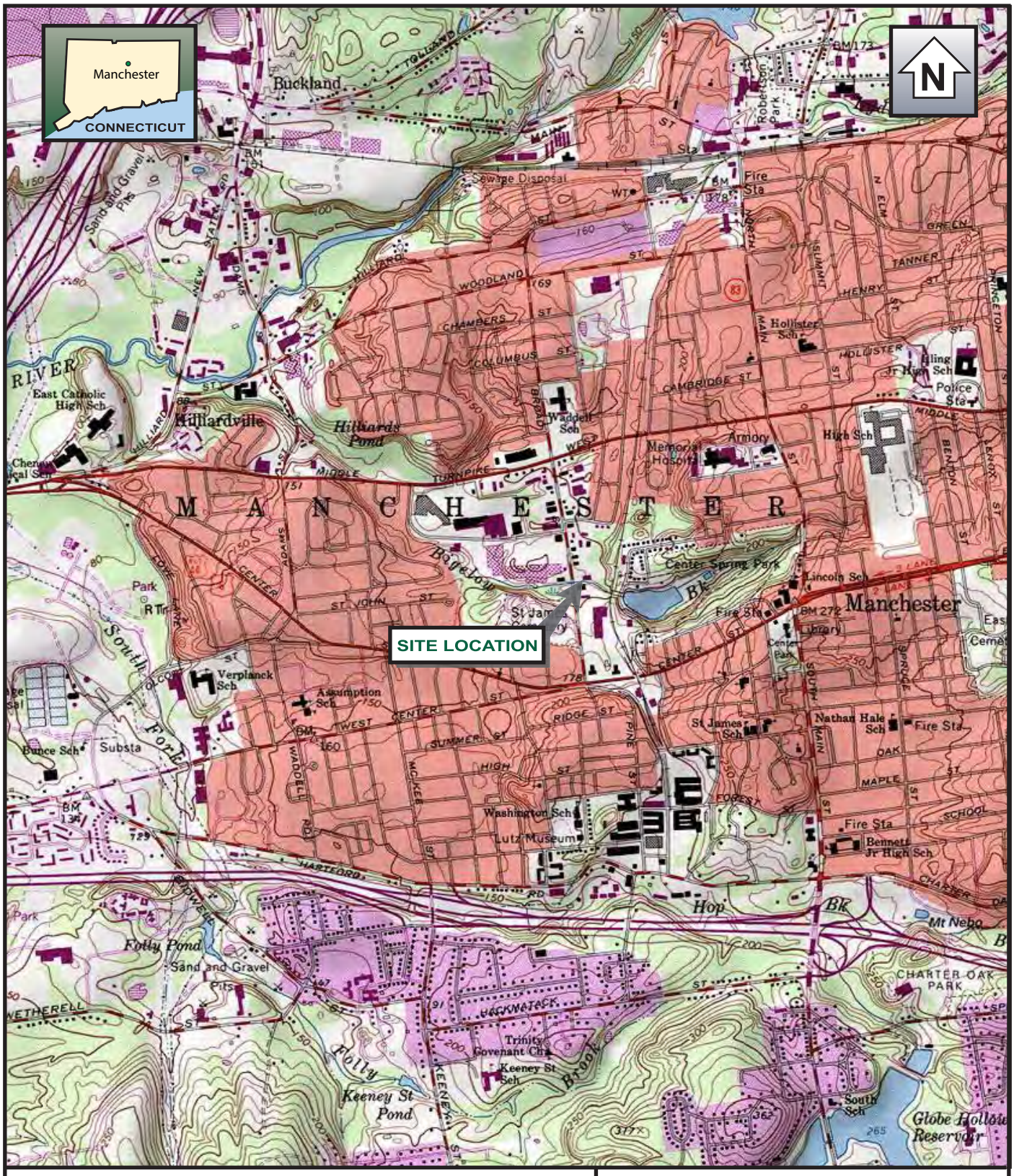
BF91168 **Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

BF91169 **Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C18 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

BF91170 **Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

BF91171

No Comments



0 2000
SCALE FEET

0 1
SCALE MILE

1:24000

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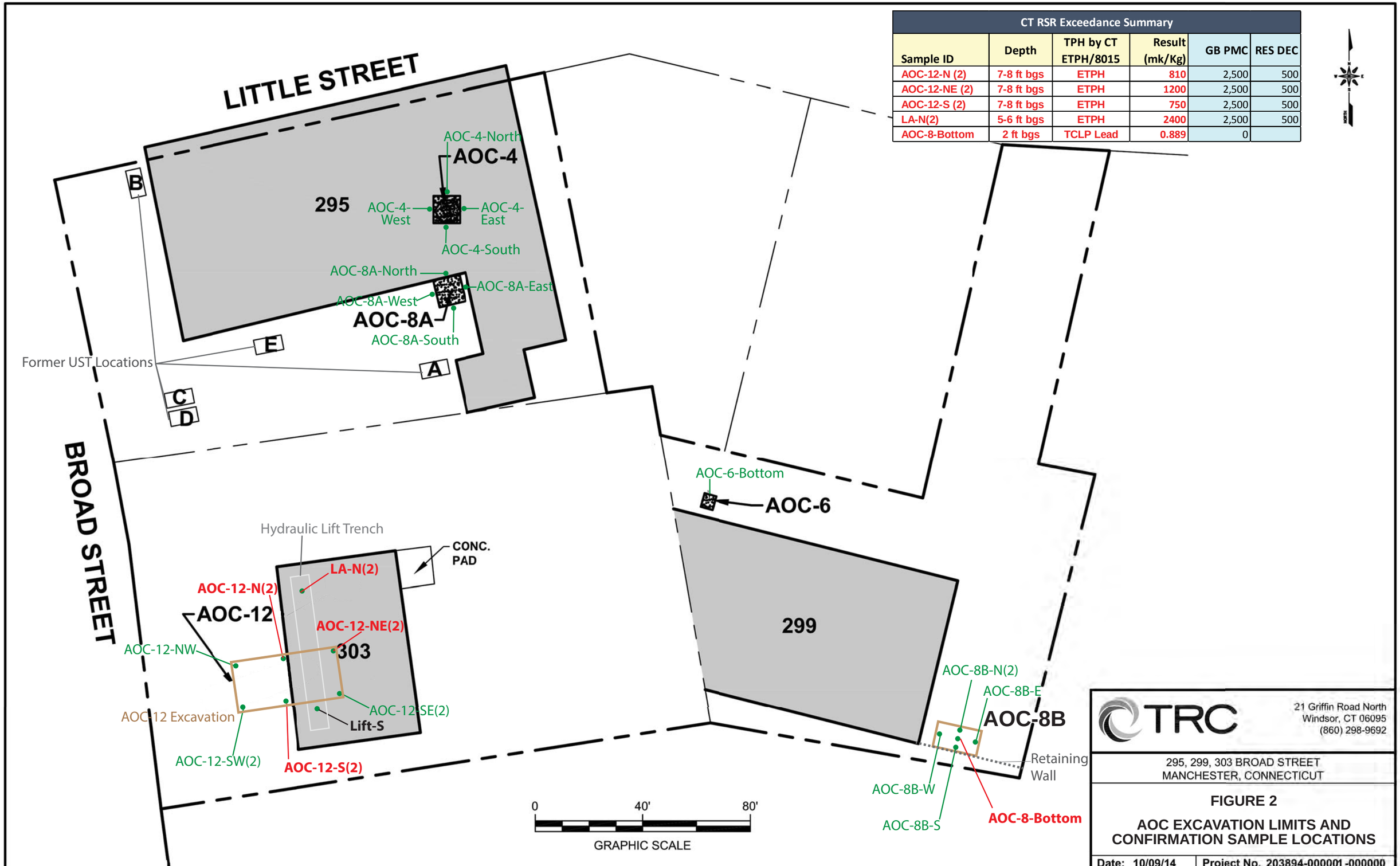
TRC
21 Griffin Road North
Windsor, CT 06095
(860) 298-9692

295, 299, 303 BROAD STREET
MANCHESTER, CONNECTICUT

FIGURE 1
SITE LOCATION MAP

Date: 10/09/2014 | **Project No.** 203894.000001.000000

CT RSR Exceedance Summary					
Sample ID	Depth	TPH by CT ETPH/8015	Result (mk/Kg)	GB PMC	RES DEC
AOC-12-N (2)	7-8 ft bgs	ETPH	810	2,500	500
AOC-12-NE (2)	7-8 ft bgs	ETPH	1200	2,500	500
AOC-12-S (2)	7-8 ft bgs	ETPH	750	2,500	500
LA-N(2)	5-6 ft bgs	ETPH	2400	2,500	500
AOC-8-Bottom	2 ft bgs	TCLP Lead	0.889	0	



TRC

21 Griffin Road North
Windsor, CT 06095
(860) 298-9692

295, 299, 303 BROAD STREET
MANCHESTER, CONNECTICUT

FIGURE 2

AOC EXCAVATION LIMITS AND CONFIRMATION SAMPLE LOCATIONS

Date: 10/09/14 | Project No. 203894-000001-000000

ATTACHMENT (1)

Hazardous Material Analytical Data

PHOENIX
Environmental Laboratories, Inc.

Thursday, August 22, 2013

Attn: Mr Chris Lindahl
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: BROAD ST MANCHESTER
Sample ID#s: BF20253

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2013

FOR: Attn: Mr Chris Lindahl
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	OIL	Collected by:		08/13/13	10:00
Location Code:	TRC-DAS	Received by:	SW	08/13/13	10:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF20253
Phoenix ID: BF20253

Project ID: BROAD ST MANCHESTER
Client ID: OIL DRUM 81313

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.9	0.9	mg/kg	08/14/13	EK	SW6010	
Arsenic	< 0.9	0.9	mg/kg	08/14/13	EK	SW6010	
Barium	3.6	0.9	mg/kg	08/14/13	EK	SW6010	
Cadmium	5.6	0.9	mg/kg	08/14/13	EK	SW6010	
Chromium	1.4	0.9	mg/Kg	08/14/13	EK	SW6010	
Mercury	< 0.16	0.16	mg/kg	08/14/13	RS	SW-7471	
Lead	32.9	0.9	mg/kg	08/14/13	EK	SW6010	B
Selenium	< 2.2	2.2	mg/kg	08/14/13	EK	SW6010	
Flash Point	133	200	degree F	08/14/13	Y	SW1010	
Ignitability	Failed	140	degree F	08/14/13	Y	SW1030	
Reactivity Cyanide	< 9.6	9.6	mg/Kg	08/14/13	GD	SW 846-7.3	
Reactivity Sulfide	< 20	20	mg/Kg	08/15/13	GD	SW846-7.3	
Reactivity	Negative		Pos/Neg	08/15/13	GD	SW 846-7.3	
Mercury digestion	Completed			08/14/13	H/H	SW7471	
Oil digestion for Metals	Completed			08/13/13	Z/AG	SW846-3031	
Waste Dilution PCB	Completed			08/13/13	JJ/JJ	SW3580	
Polychlorinated Biphenyls							
PCB-1016	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
PCB-1221	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
PCB-1232	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
PCB-1242	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
PCB-1248	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
PCB-1254	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
PCB-1260	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
PCB-1262	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
PCB-1268	ND	2.0	mg/kg	08/16/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	77		%	08/16/13	AW	30 - 150 %	

Project ID: BROAD ST MANCHESTER
Client ID: OIL DRUM 81313

Phoenix I.D.: BF20253

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% TCMX	64		%	08/16/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,1,1-Trichloroethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,1,2-Trichloroethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,1-Dichloroethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,1-Dichloroethene	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,1-Dichloropropene	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,2,3-Trichloropropane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,2,4-Trimethylbenzene	2900	500	mg/Kg	08/16/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,2-Dibromoethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,2-Dichlorobenzene	170000	25000	mg/Kg	08/19/13	R/J	SW8260
1,2-Dichloroethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,2-Dichloropropane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,3,5-Trimethylbenzene	1200	500	mg/Kg	08/16/13	R/J	SW8260
1,3-Dichlorobenzene	23000	5000	mg/Kg	08/17/13	R/J	SW8260
1,3-Dichloropropane	ND	500	mg/Kg	08/16/13	R/J	SW8260
1,4-Dichlorobenzene	44000	5000	mg/Kg	08/17/13	R/J	SW8260
2,2-Dichloropropane	ND	500	mg/Kg	08/16/13	R/J	SW8260
2-Chlorotoluene	4700	500	mg/Kg	08/16/13	R/J	SW8260
2-Hexanone	ND	2500	mg/Kg	08/16/13	R/J	SW8260
2-Isopropyltoluene	ND	500	mg/Kg	08/16/13	R/J	SW8260
4-Chlorotoluene	ND	500	mg/Kg	08/16/13	R/J	SW8260
4-Methyl-2-pentanone	ND	2500	mg/Kg	08/16/13	R/J	SW8260
Acetone	ND	2500	mg/Kg	08/16/13	R/J	SW8260
Acrylonitrile	ND	500	mg/Kg	08/16/13	R/J	SW8260
Benzene	ND	500	mg/Kg	08/16/13	R/J	SW8260
Bromobenzene	850	500	mg/Kg	08/16/13	R/J	SW8260
Bromochloromethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Bromodichloromethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Bromoform	ND	500	mg/Kg	08/16/13	R/J	SW8260
Bromomethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Carbon Disulfide	ND	500	mg/Kg	08/16/13	R/J	SW8260
Carbon tetrachloride	ND	500	mg/Kg	08/16/13	R/J	SW8260
Chlorobenzene	4600	500	mg/Kg	08/16/13	R/J	SW8260
Chloroethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Chloroform	ND	500	mg/Kg	08/16/13	R/J	SW8260
Chloromethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	500	mg/Kg	08/16/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	500	mg/Kg	08/16/13	R/J	SW8260
Dibromochloromethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Dibromomethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Dichlorodifluoromethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Ethylbenzene	610	500	mg/Kg	08/16/13	R/J	SW8260
Hexachlorobutadiene	ND	500	mg/Kg	08/16/13	R/J	SW8260

Project ID: BROAD ST MANCHESTER
Client ID: OIL DRUM 81313

Phoenix I.D.: BF20253

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Isopropylbenzene	ND	500	mg/Kg	08/16/13	R/J	SW8260
m&p-Xylene	2500	500	mg/Kg	08/16/13	R/J	SW8260
Methyl Ethyl Ketone	ND	2500	mg/Kg	08/16/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	500	mg/Kg	08/16/13	R/J	SW8260
Methylene chloride	ND	500	mg/Kg	08/16/13	R/J	SW8260
Naphthalene	1600	500	mg/Kg	08/16/13	R/J	SW8260
n-Butylbenzene	ND	500	mg/Kg	08/16/13	R/J	SW8260
n-Propylbenzene	ND	500	mg/Kg	08/16/13	R/J	SW8260
o-Xylene	1200	500	mg/Kg	08/16/13	R/J	SW8260
p-Isopropyltoluene	ND	500	mg/Kg	08/16/13	R/J	SW8260
sec-Butylbenzene	ND	500	mg/Kg	08/16/13	R/J	SW8260
Styrene	ND	500	mg/Kg	08/16/13	R/J	SW8260
tert-Butylbenzene	ND	500	mg/Kg	08/16/13	R/J	SW8260
Tetrachloroethene	5300	500	mg/Kg	08/16/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	500	mg/Kg	08/16/13	R/J	SW8260
Toluene	670	500	mg/Kg	08/16/13	R/J	SW8260
Total Xylenes	3700	500	mg/Kg	08/16/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	500	mg/Kg	08/16/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	500	mg/Kg	08/16/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	500	mg/Kg	08/16/13	R/J	SW8260
Trichloroethene	ND	500	mg/Kg	08/16/13	R/J	SW8260
Trichlorofluoromethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Trichlorotrifluoroethane	ND	500	mg/Kg	08/16/13	R/J	SW8260
Vinyl chloride	ND	500	mg/Kg	08/16/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	77		%	08/16/13	R/J	70 - 130 %
% Bromofluorobenzene	107		%	08/16/13	R/J	70 - 130 %
% Dibromofluoromethane	98		%	08/16/13	R/J	70 - 130 %
% Toluene-d8	94		%	08/16/13	R/J	70 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2013
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 22, 2013

QA/QC Data

SDG I.D.: GBF20253

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 245616, QC Sample No: BF20296 (BF20253)													
ICP Metals - Soil													
Arsenic	BRL	8.0	9.78	20.0	92.8	94.3	1.6	93.0	93.8	0.9	75 - 125	30	
Barium	BRL	70.6	70.8	0.30	107	103	3.8	124	128	3.2	75 - 125	30	m
Cadmium	BRL	0.90	0.96	NC	92.7	94.9	2.3	94.0	95.6	1.7	75 - 125	30	
Chromium	BRL	21.0	20.5	2.40	100	102	2.0	98.2	100	1.8	75 - 125	30	
Lead	0.45	225	252	11.3	99.3	100	0.7	101	102	1.0	75 - 125	30	
Selenium	BRL	<1.4	<1.5	NC	81.5	83.6	2.5	80.5	82.0	1.8	75 - 125	30	
Silver	BRL	2.70	2.85	5.40	94.6	96.0	1.5	98.2	99.1	0.9	75 - 125	30	
QA/QC Batch 245665, QC Sample No: BF20571 (BF20253)													
Mercury - Soil	BRL	<0.06	<0.09	NC	94.2	90.5	4.0	96.7	93.7	3.2	70 - 130	30	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

m = This parameter is outside laboratory ms/msd specified recovery limits.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 22, 2013

QA/QC Data

SDG I.D.: GBF20253

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 245672, QC Sample No: BF20442 (BF20253)												
Flash Point		>200	>200	NC	101						85 - 115	30
QA/QC Batch 245824, QC Sample No: BF20442 (BF20253)												
Reactivity Cyanide	BRL	<5.5	<5.6	NC	98.8						85 - 115	30

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 22, 2013

QA/QC Data

SDG I.D.: GBF20253

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 244626, QC Sample No: BF17464 (BF20253)										
Polychlorinated Biphenyls - Oil										
PCB-1016	ND							40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND	129	120	7.2	129	127	1.6	40 - 140	30	
PCB-1260	ND							40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
%DCBP (Surrogate Rec)	124	136	128	6.1	134	134	0.0	30 - 150	30	
%TCMX (Surrogate Rec)	108	104	96	8.0	101	106	4.8	30 - 150	30	
QA/QC Batch 246516, QC Sample No: BF22129 (BF20253 (100X))										
Volatiles - Oil										
1,1,1,2-Tetrachloroethane	ND	101	94	7.2	95	96	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	99	93	6.3	90	100	10.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	95	82	14.7	99	94	5.2	70 - 130	30	
1,1,2-Trichloroethane	ND	109	99	9.6	102	96	6.1	70 - 130	30	
1,1-Dichloroethane	ND	117	89	27.2	115	92	22.2	70 - 130	30	
1,1-Dichloroethene	ND	100	95	5.1	89	79	11.9	70 - 130	30	
1,1-Dichloropropene	ND	99	95	4.1	101	104	2.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	96	84	13.3	107	100	6.8	70 - 130	30	
1,2,3-Trichloropropane	ND	101	85	17.2	98	85	14.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	86	76	12.3	104	102	1.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	99	91	8.4	101	104	2.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	85	25.6	91	83	9.2	70 - 130	30	
1,2-Dibromoethane	ND	108	97	10.7	102	96	6.1	70 - 130	30	
1,2-Dichloroethane	ND	100	96	4.1	101	97	4.0	70 - 130	30	
1,2-Dichloropropane	ND	105	99	5.9	105	103	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	96	90	6.5	99	102	3.0	70 - 130	30	
1,3-Dichloropropane	ND	106	93	13.1	98	96	2.1	70 - 130	30	
2,2-Dichloropropane	ND	93	88	5.5	97	99	2.0	70 - 130	30	
2-Chlorotoluene	ND	100	94	6.2	101	104	2.9	70 - 130	30	
2-Hexanone	ND	90	70	25.0	65	59	9.7	70 - 130	30	m
2-Isopropyltoluene	ND	100	92	8.3	100	103	3.0	70 - 130	30	
4-Chlorotoluene	ND	95	90	5.4	103	104	1.0	70 - 130	30	
4-Methyl-2-pentanone	ND	109	91	18.0	87	78	10.9	70 - 130	30	
Acetone	ND	92	56	48.6	73	43	51.7	70 - 130	30	l,m,r
Acrylonitrile	ND	125	79	45.1	115	78	38.3	70 - 130	30	r
Benzene	ND	100	96	4.1	102	102	0.0	70 - 130	30	
Bromobenzene	ND	101	95	6.1	101	102	1.0	70 - 130	30	
Bromochloromethane	ND	101	93	8.2	101	98	3.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBF20253

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromodichloromethane	ND	99	93	6.3	97	94	3.1	70 - 130	30	
Bromoform	ND	98	86	13.0	85	81	4.8	70 - 130	30	
Bromomethane	ND	93	108	14.9	61	59	3.3	70 - 130	30	m
Carbon Disulfide	ND	90	85	5.7	82	72	13.0	70 - 130	30	
Carbon tetrachloride	ND	96	93	3.2	90	96	6.5	70 - 130	30	
Chlorobenzene	ND	103	94	9.1	101	102	1.0	70 - 130	30	
Chloroethane	ND	102	105	2.9	<40	<40	NC	70 - 130	30	m
Chloroform	ND	102	96	6.1	101	100	1.0	70 - 130	30	
Chloromethane	ND	104	98	5.9	106	103	2.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	103	3.8	104	107	2.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	98	93	5.2	103	100	3.0	70 - 130	30	
Dibromochloromethane	ND	101	90	11.5	92	90	2.2	70 - 130	30	
Dibromomethane	ND	105	98	6.9	102	96	6.1	70 - 130	30	
Dichlorodifluoromethane	ND	104	101	2.9	104	107	2.8	70 - 130	30	
Ethylbenzene	ND	98	89	9.6	100	102	2.0	70 - 130	30	
Hexachlorobutadiene	ND	96	84	13.3	104	102	1.9	70 - 130	30	
Isopropylbenzene	ND	102	96	6.1	99	104	4.9	70 - 130	30	
m&p-Xylene	ND	100	90	10.5	100	102	2.0	70 - 130	30	
Methyl ethyl ketone	ND	84	68	21.1	77	61	23.2	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	103	78	27.6	94	73	25.1	70 - 130	30	
Methylene chloride	ND	117	85	31.7	111	81	31.3	70 - 130	30	r
Naphthalene	ND	105	88	17.6	98	91	7.4	70 - 130	30	
n-Butylbenzene	ND	98	87	11.9	105	107	1.9	70 - 130	30	
n-Propylbenzene	ND	99	91	8.4	101	103	2.0	70 - 130	30	
o-Xylene	ND	109	99	9.6	96	98	2.1	70 - 130	30	
p-Isopropyltoluene	ND	98	89	9.6	102	105	2.9	70 - 130	30	
sec-Butylbenzene	ND	99	91	8.4	101	104	2.9	70 - 130	30	
Styrene	ND	103	95	8.1	95	96	1.0	70 - 130	30	
tert-Butylbenzene	ND	102	95	7.1	99	103	4.0	70 - 130	30	
Tetrachloroethene	ND	101	91	10.4	100	106	5.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	108	84	25.0	88	82	7.1	70 - 130	30	
Toluene	ND	102	96	6.1	105	103	1.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	115	85	30.0	116	89	26.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	94	87	7.7	98	94	4.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	97	81	18.0	90	89	1.1	70 - 130	30	
Trichloroethene	ND	108	102	5.7	99	101	2.0	70 - 130	30	
Trichlorofluoromethane	ND	101	98	3.0	<40	52	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	92	90	2.2	91	82	10.4	70 - 130	30	
Vinyl chloride	ND	106	103	2.9	113	108	4.5	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	101	99	2.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	94	101	98	3.0	101	100	1.0	70 - 130	30	
% Dibromofluoromethane	97	95	97	2.1	87	99	12.9	70 - 130	30	
% Toluene-d8	94	100	101	1.0	102	100	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

QA/QC Batch 246967, QC Sample No: BF25536 (BF20253 (5000X))

Volatiles - Oil

1,2-Dichlorobenzene	ND	102	99	3.0	101	103	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

QA/QC Data

SDG I.D.: GBF20253

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 246699, QC Sample No: BF25830 (BF20253 (1000X))									
Volatiles - Oil									
1,3-Dichlorobenzene	ND	98	97	1.0	85	90	5.7	70 - 130	30
1,4-Dichlorobenzene	ND	98	97	1.0	84	88	4.7	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 22, 2013

Thursday, August 22, 2013

Requested Criteria: None

State: CT

Sample Criteria Exceedences Report

GBF20253 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC-DAS

Project Location: BROAD ST MANCHESTER **Project Number:**

Laboratory Sample ID(s): BF20253

Sampling Date(s): 8/13/2013

RCP Methods Used:

☐ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☑ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ICP Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: _____

Date: Thursday, August 22, 2013

Printed Name: Maryam Taylor

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 22, 2013

SDG I.D.: GBF20253

The client requested a shorter list of elements than the 6010 RCP list.

Cyanide Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Lachat 08/14/13-1 (BF20253)

The samples were distilled in accordance with the method.
The initial calibration met criteria.

The calibration check standards (ICV,CCV) were within 15% of true value and were analyzed at a frequencey of one per ten samples.
The continuing calibration blanks (ICB,CCB) had concentrations less than the reporting level.

The method blank, laboratory control sample (LCS), and matrix spike were distilled with the samples.

Printed Name Greg Danielewski
Position: Chemist
Date: 8/14/2013

QC (Batch Specific)

---------- Sample No: BF20442, QA/QC Batch: 245824 ----------

All LCS recoveries were within 85 - 115 with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 245616 (Samples: BF20253): -----

A trace amount of an analyte was found in blank. Due to the concentration in the blank relative to the samples, no bias is suspected. (Soil-Lead(BF20253))

Instrument: Arcos 08/14/13-1 (BF20253)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 8/14/2013

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RCP Certification Report

August 22, 2013

SDG I.D.: GBF20253

QC (Batch Specific)

---------- Sample No: BF20296, QA/QC Batch: 245616 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd3 08/16/13-1 (BF20253)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/16/2013

QC (Batch Specific)

---------- Sample No: BF17464, QA/QC Batch: 244626 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 246516 (Samples: BF20253): -----

The LCS and/or LCSD recoveries for one or more analytes are below range. A slight low bias is possible. (Acetone, Methyl ethyl ketone)

Instrument: Chem18 08/15/13-2 (BF20253)

Initial Calibration Verification (CHEM18/RCPS_0815D):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (21%)
The following compounds did not meet a minimum response factor of 0.01: None.

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RCP Certification Report

August 22, 2013

SDG I.D.: GBF20253

Continuing Calibration Verification #1 (CHEM18/0815M77-RCPS_0815D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM18/0815M78-RCPS_0815D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Heather Byrnie
Position: Chemist
Date: 8/15/2013

Instrument: Chem18 08/16/13-1 (BF20253)

Initial Calibration Verification (CHEM18/RCPS_0816D):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (22%), Methylene Chloride (22%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM18/0816M17-RCPS_0816D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM18/0816M18-RCPS_0816D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Ashraf Sheikh
Position: Chemist
Date: 8/16/2013

Instrument: Chem18 08/19/13-1 (BF20253)

Initial Calibration Verification (CHEM18/RCPS_0816D):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (22%), Methylene Chloride (22%)

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RCP Certification Report

August 22, 2013

SDG I.D.: GBF20253

The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM18/0819M03-RCPS_0816D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM18/0819M04-RCPS_0816D):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: Acetone (49%)[30%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Caleb Githinji
Position: Chemist
Date: 8/19/2013

QC (Batch Specific)

---------- Sample No: BF22129, QA/QC Batch: 246516 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(56%), Methyl ethyl ketone(68%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Acetone(48.6%), Acrylonitrile(45.1%), Methylene chloride(31.7%)

---------- Sample No: BF25536, QA/QC Batch: 246967 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BF25830, QA/QC Batch: 246699 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

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RCP Certification Report

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SDG I.D.: GBF20253

The samples were received at 24C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [ ] No [X]
Coolant: IPK [ ] ICE [ ] No [X]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 24 °C Pg of

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: Clindhal@trcsolutions.com

Customer: TRC Environmental, Inc.
Address: 21 Griffin Rd North
Windsor, CT

Project: Broad St Manchester
Report to: Chris Lindahl
Invoice to: Chris Lindahl

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 8/13/13

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs	Total RCRA 6 metals	VOCs	Flashpoint/Ignitability	reactivity	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	total
20253	[redacted]	Oil	8/13/13	1000	X	X	X	X	X											2
	[redacted]		8/13/13	1015	X	X	X	X	X											

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	8/13/13	1045

Comments, Special Requirements or Regulations:
working for Manchester DPW
- use CTDAS rates

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 01, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	LIQUID	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13589

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: DRUM 14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Flash Point	175	200	degree F	07/31/13	H	SW1010	
Ignitability	Passed	140	degree F	07/31/13	H	SW1030	
pH	6.81	0.10	pH Units	07/30/13 21:42	BS/KDB	4500-H B/9040	
Reactivity Cyanide	< 4.9	4.9	mg/L	07/31/13	GD	SW 846-7.3	
Reactivity Sulfide	< 0.4	0.4	mg/L	07/31/13	GD	SW846-7.3	
Reactivity	Negative		Pos/Neg	07/31/13	GD	SW 846-7.3	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1,1-Trichloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1,2-Trichloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1-Dichloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1-Dichloroethene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1-Dichloropropene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2,3-Trichlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260	B
1,2,3-Trichloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2,4-Trichlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2,4-Trimethylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dibromoethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dichlorobenzene	28000	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dichloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dichloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,3,5-Trimethylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,3-Dichlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,3-Dichloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,4-Dichlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
2,2-Dichloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: DRUM 14

Phoenix I.D.: BF13589

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
2-Chlorotoluene	ND	10000	ug/L	08/01/13	HM	SW8260
2-Hexanone	ND	50000	ug/L	08/01/13	HM	SW8260
2-Isopropyltoluene	ND	10000	ug/L	08/01/13	HM	SW8260
4-Chlorotoluene	ND	10000	ug/L	08/01/13	HM	SW8260
4-Methyl-2-pentanone	ND	50000	ug/L	08/01/13	HM	SW8260
Acetone	50000	10000	ug/L	08/01/13	HM	SW8260
Acrylonitrile	ND	20000	ug/L	08/01/13	HM	SW8260
Benzene	ND	10000	ug/L	08/01/13	HM	SW8260
Bromobenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Bromochloromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Bromodichloromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Bromoform	ND	10000	ug/L	08/01/13	HM	SW8260
Bromomethane	ND	10000	ug/L	08/01/13	HM	SW8260
Carbon Disulfide	ND	10000	ug/L	08/01/13	HM	SW8260
Carbon tetrachloride	ND	10000	ug/L	08/01/13	HM	SW8260
Chlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Chloroethane	ND	10000	ug/L	08/01/13	HM	SW8260
Chloroform	ND	10000	ug/L	08/01/13	HM	SW8260
Chloromethane	ND	10000	ug/L	08/01/13	HM	SW8260
cis-1,2-Dichloroethene	ND	10000	ug/L	08/01/13	HM	SW8260
cis-1,3-Dichloropropene	ND	10000	ug/L	08/01/13	HM	SW8260
Dibromochloromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Dibromomethane	ND	10000	ug/L	08/01/13	HM	SW8260
Dichlorodifluoromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Ethylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Hexachlorobutadiene	ND	10000	ug/L	08/01/13	HM	SW8260
Isopropylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
m&p-Xylene	ND	10000	ug/L	08/01/13	HM	SW8260
Methyl Ethyl Ketone	30000	20000	ug/L	08/01/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	20000	ug/L	08/01/13	HM	SW8260
Methylene chloride	7200000	100000	ug/L	08/01/13	HM	SW8260
Naphthalene	ND	10000	ug/L	08/01/13	HM	SW8260
n-Butylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
n-Propylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
o-Xylene	ND	10000	ug/L	08/01/13	HM	SW8260
p-Isopropyltoluene	ND	10000	ug/L	08/01/13	HM	SW8260
sec-Butylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Styrene	ND	10000	ug/L	08/01/13	HM	SW8260
tert-Butylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Tetrachloroethene	ND	10000	ug/L	08/01/13	HM	SW8260
Tetrahydrofuran (THF)	ND	20000	ug/L	08/01/13	HM	SW8260
Toluene	ND	10000	ug/L	08/01/13	HM	SW8260
Total Xylenes	ND	10000	ug/L	08/01/13	HM	SW8260
trans-1,2-Dichloroethene	ND	10000	ug/L	08/01/13	HM	SW8260
trans-1,3-Dichloropropene	ND	10000	ug/L	08/01/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	20000	ug/L	08/01/13	HM	SW8260
Trichloroethene	ND	10000	ug/L	08/01/13	HM	SW8260
Trichlorofluoromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Trichlorotrifluoroethane	ND	10000	ug/L	08/01/13	HM	SW8260
Vinyl chloride	ND	10000	ug/L	08/01/13	HM	SW8260

Project ID: NICHOLS PROPERTY MANCHESTER

Client ID: DRUM 14

Phoenix I.D.: BF13589

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	106		%	08/01/13	HM	70 - 130 %
% Bromofluorobenzene	101		%	08/01/13	HM	70 - 130 %
% Dibromofluoromethane	86		%	08/01/13	HM	70 - 130 %
% Toluene-d8	101		%	08/01/13	HM	70 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
August 01, 2013

Thursday, August 01, 2013

Requested Criteria: None

State: CT

Sample Criteria Exceedences Report

GBF13585 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [ ] No [X]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Temp 27° C Pg 1 of 1

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[X] Fax: 860-298-6399
[ ] Phone:
[X] Email: Sfarrick@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd. North
Windsor, CT

Project: Nichols Property - Manchester
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 7/30/12

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs	Total VOC	Total TCLP & (Pest)	Flashpoint / Ignitability	TCLP Pest / TCLP &	TCLP VOC X	pH / Reactivity	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container [ ] 8 oz	GL Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] HCl	PL As is [ ] 250ml [ ] 500ml [ ] H2SO4	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
13585	295 Broad - oil drums	oil	7/30	1050	X	X	X	X					2								
13586	295 Broad - Antifreeze	L	7/30	1055	X	X	X	X					2								
~~13587~~	~~295 Broad drums~~	~~L~~	~~7/30~~	~~1100~~																	
13587	295 Broad - AST comp	oil	7/30	1210	X	X	X	X					2								
13588	295 Broad - concrete	SD	7/30	1220	X				X				1								
13589	Drum 14'	L	7/30	1305			X	X		X	X	X	2								*
13590	AST-4'	oil	7/30	1320	X	X	X	X					2								
	~~AST 5'~~	~~oil~~	~~7/30~~	~~1325~~	~~X~~	~~X~~	~~X~~	~~X~~													
13591	AST 5'	oil	7/30	1400	X	X	X	X					2								
13592	295 Broad concrete	S	7/30	1450	X								1								
	~~295 Broad concrete~~	~~S~~	~~7/30~~	~~1500~~	~~X~~																

Relinquished by:	Accepted by:	Date:	Time:
[signature]	Paradise	7/30	1600

Comments, Special Requirements or Regulations:
Working for Manchester DPW
Use DAS Rates
* hold for possible TCLP analysis

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [ ] No [X]
Temp 27°C Pg 1 of

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[X] Fax: 860-298-6399
[ ] Phone:
[X] Email: Sfarrell@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd. North
Windsor, CT

Project: Nichols Property - Manchester
Report to: Steve Ferrell
Invoice to: Steve Ferrell

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 7/30/10

Analysis Request

Matrix Codes:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SO=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	RCRA	Total RCRA & Metals	Total VOC	Flashpoint / Ignitability	TCLP Metals	TCLP VOC	pH	Reactivity	Soil VOA Vials [ ] methanol [ ] H2O	8oz. Soil container [ ] 4oz.	32oz. Soil container [ ] 16oz.	40 ml VOA Vial [ ] HCl	1L Amber 1000ml [ ] As is [ ] HCl	1L As is [ ] 1250ml [ ] H2SO4	1L H2SO4 [ ] 1250ml [ ] 1000ml	1L HNO3 250ml	1L NaOH 250ml	Bacteria Bottle
135585	395 Broad - oil bomb	oil	7/30	1050	X	X	X	X								2						
135586	395 Broad - Antifreeze	L	7/30	1055	X	X	X	X								2						
~~135587~~	~~395 Broad - Drum~~	~~L~~	~~7/30~~	~~1100~~																		
135587	395 Broad - AST oil	oil	7/30	1210	X	X	X	X								2						
135588	395 Broad - concrete	SO	7/30	1220	X				X							1						
135589	Drum 14'	L	7/30	1305			X	X		X	X	X				2						X
135590	AST-4'	oil	7/30	1320	X	X	X	X								2						
~~135591~~	~~AST 5'~~	~~oil~~	~~7/30~~	~~1350~~	~~X~~	~~X~~	~~X~~	~~X~~														
135591	AST 5'	oil	7/30	1400	X	X	X	X								2						
135592	395 Broad concrete	S	7/30	1450	X											1						
~~135593~~	~~395 Broad concrete~~	~~S~~	~~7/30~~	~~1500~~	~~X~~																	

Relinquished by:	Accepted by:	Date:	Time:
[signature]	Paradise	7/30	1600

RI: [ ] Direct Exposure (Residential) [ ] GW [ ] Other

CT: [X] RCP Cert [ ] GW Protection [ ] SW Protection [ ] GA Mobility [ ] GB Mobility [ ] Residential DEC [ ] I/C DEC [ ] Other

MA: [ ] MCP Certification [ ] GW-1 [ ] GW-2 [ ] GW-3 [ ] S-1 [ ] S-2 [ ] S-3 [ ] MWRA eSMART [ ] Other

Data Format: [X] Excel [X] PDF [ ] GIS/Key [ ] FQIS [ ] Other

Data Package: [ ] Tier II Checklist [ ] Full Data Package* [ ] Phoenix Std Report [ ] Other

* SURCHARGE APPLIES

Comments, Special Requirements or Regulations:
Working for Manchester DPW
Use DAS Rates
K hold for possible TCLP analysis

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 05, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	OIL	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13585

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BROAD OIL DRUM

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Arsenic	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Barium	3.4	0.9	mg/kg	07/31/13	LK	SW6010
Cadmium	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Chromium	1.7	0.9	mg/Kg	07/31/13	LK	SW6010
Mercury	< 0.14	0.14	mg/kg	07/31/13	RS	SW-7471
Lead	170	9.3	mg/kg	08/01/13	LK	SW6010
Selenium	< 2.3	2.3	mg/kg	07/31/13	LK	SW6010
Flash Point	>200	200	degree F	07/31/13	Y	SW1010
Ignitability	Passed	140	degree F	07/31/13	Y	SW1030
Mercury digestion	Completed			07/31/13	H/H	SW7471
Oil digestion for Metals	Completed			07/30/13	Z/AG	SW846-3031
Waste Dilution PCB	Completed			07/30/13	JJ/JJ	SW3580
Polychlorinated Biphenyls						
PCB-1016	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1221	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1232	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1242	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1248	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1254	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1260	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1262	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1268	ND	2.0	mg/kg	07/31/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	114		%	07/31/13	AW	30 - 150 %
% TCMX	88		%	07/31/13	AW	30 - 150 %

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BROAD OIL DRUM

Phoenix I.D.: BF13585

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	12	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	25	mg/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Acetone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BROAD OIL DRUM

Phoenix I.D.: BF13585

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
m&p-Xylene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Naphthalene	18	5.0	mg/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
p-Isopropyltoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	94		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	89		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	96		%	08/01/13	R/J	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
August 05, 2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 05, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	LIQUID	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13586

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BRAOD ANTI FREEZE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Arsenic	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Barium	3.1	0.9	mg/kg	07/31/13	LK	SW6010
Cadmium	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Chromium	< 0.9	0.9	mg/Kg	07/31/13	LK	SW6010
Mercury	< 0.16	0.16	mg/kg	07/31/13	RS	SW-7471
Lead	10.5	0.9	mg/kg	07/31/13	LK	SW6010
Selenium	< 2.3	2.3	mg/kg	07/31/13	LK	SW6010
Flash Point	>200	200	degree F	07/31/13	Y	SW1010
Ignitability	Passed	140	degree F	07/31/13	Y	SW1030
Mercury digestion	Completed			07/31/13	H/H	SW7471
Oil digestion for Metals	Completed			07/30/13	Z/AG	SW846-3031
Waste Dilution PCB	Completed			07/30/13	JJ/JJ	SW3580
Polychlorinated Biphenyls						
PCB-1016	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1221	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1232	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1242	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1248	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1254	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1260	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1262	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1268	ND	2.0	mg/kg	07/31/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	130		%	07/31/13	AW	30 - 150 %
% TCMX	84		%	07/31/13	AW	30 - 150 %

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BRAOD ANTI FREEZE

Phoenix I.D.: BF13586

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	25	mg/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Acetone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BRAOD ANTI FREEZE

Phoenix I.D.: BF13586

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
m&p-Xylene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Naphthalene	5.3	5.0	mg/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
p-Isopropyltoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	95		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	85		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	94		%	08/01/13	R/J	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

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Phyllis Shiller, Laboratory Director
August 05, 2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 05, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	OIL	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13587

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BROAD AST COMP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Arsenic	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Barium	5.4	0.9	mg/kg	07/31/13	LK	SW6010
Cadmium	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Chromium	< 0.9	0.9	mg/Kg	07/31/13	LK	SW6010
Mercury	< 0.12	0.12	mg/kg	07/31/13	RS	SW-7471
Lead	11.4	0.9	mg/kg	07/31/13	LK	SW6010
Selenium	< 2.2	2.2	mg/kg	07/31/13	LK	SW6010
Flash Point	>200	200	degree F	07/31/13	Y	SW1010
Ignitability	Passed	140	degree F	07/31/13	Y	SW1030
Mercury digestion	Completed			07/31/13	H/H	SW7471
Oil digestion for Metals	Completed			07/30/13	Z/AG	SW846-3031
Waste Dilution PCB	Completed			07/30/13	JJ/JJ	SW3580
Polychlorinated Biphenyls						
PCB-1016	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1221	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1232	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1242	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1248	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1254	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1260	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1262	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1268	ND	2.0	mg/kg	07/31/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	109		%	07/31/13	AW	30 - 150 %
% TCMX	102		%	07/31/13	AW	30 - 150 %

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BROAD AST COMP

Phoenix I.D.: BF13587

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	440	50	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	97	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	25	mg/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Acetone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Benzene	14	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Ethylbenzene	120	5.0	mg/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	15	5.0	mg/Kg	08/01/13	R/J	SW8260

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BROAD AST COMP

Phoenix I.D.: BF13587

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
m&p-Xylene	480	50	mg/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	25	mg/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Naphthalene	77	5.0	mg/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	13	5.0	mg/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	60	5.0	mg/Kg	08/01/13	R/J	SW8260
o-Xylene	170	5.0	mg/Kg	08/01/13	R/J	SW8260
p-Isopropyltoluene	13	5.0	mg/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	130	5.0	mg/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Toluene	350	50	mg/Kg	08/01/13	R/J	SW8260
Total Xylenes	650	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.0	mg/Kg	08/01/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	104		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	87		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	94		%	08/01/13	R/J	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

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Phyllis Shiller, Laboratory Director
August 05, 2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 05, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13588

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 295 BROAD CONCRETE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
TCLP Silver	< 0.010	0.010	mg/L	07/31/13	EK	SW6010	
TCLP Arsenic	< 0.01	0.01	mg/L	07/31/13	EK	SW6010	
TCLP Barium	0.42	0.01	mg/L	07/31/13	EK	SW6010	B
TCLP Cadmium	< 0.005	0.005	mg/L	07/31/13	EK	SW6010	
TCLP Chromium	0.096	0.010	mg/L	07/31/13	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	mg/L	07/31/13	RS	SW7470	
TCLP Lead	< 0.010	0.010	mg/L	07/31/13	EK	SW6010	
TCLP Selenium	< 0.01	0.01	mg/L	07/31/13	EK	SW6010	
TCLP Metals Digestion	Completed			07/30/13	H/H	SW3005	
Percent Solid	98		%	07/30/13	KDB	E160.3	
Extraction for PCB	Completed			07/31/13	NP/HB	SW3540C	
TCLP Digestion Mercury	Completed			07/31/13	H/H	E1311/7470	
TCLP Extraction for Metals	Completed			07/30/13	H	EPA 1311	
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
PCB-1221	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
PCB-1232	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
PCB-1242	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
PCB-1248	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
PCB-1254	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
PCB-1260	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
PCB-1262	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
PCB-1268	ND	330	ug/Kg	08/01/13	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	90		%	08/01/13	AW	30 - 150 %	
% TCMX	89		%	08/01/13	AW	30 - 150 %	

Project ID: NICHOLS PROPERTY MANCHESTER

Client ID: 295 BROAD CONCRETE

Phoenix I.D.: BF13588

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
August 05, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 05, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	LIQUID	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13589

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: DRUM 14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Flash Point	175	200	degree F	07/31/13	H	SW1010	
Ignitability	Passed	140	degree F	07/31/13	H	SW1030	
pH	6.81	0.10	pH Units	07/30/13 21:42	BS/KDB	4500-H B/9040	
Reactivity Cyanide	< 4.9	4.9	mg/L	07/31/13	GD	SW 846-7.3	
Reactivity Sulfide	< 0.4	0.4	mg/L	07/31/13	GD	SW846-7.3	
Reactivity	Negative		Pos/Neg	07/31/13	GD	SW 846-7.3	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1,1-Trichloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1,2-Trichloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1-Dichloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1-Dichloroethene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,1-Dichloropropene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2,3-Trichlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260	B
1,2,3-Trichloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2,4-Trichlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2,4-Trimethylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dibromoethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dichlorobenzene	28000	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dichloroethane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,2-Dichloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,3,5-Trimethylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,3-Dichlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
1,3-Dichloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	
1,4-Dichlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260	
2,2-Dichloropropane	ND	10000	ug/L	08/01/13	HM	SW8260	

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: DRUM 14

Phoenix I.D.: BF13589

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
2-Chlorotoluene	ND	10000	ug/L	08/01/13	HM	SW8260
2-Hexanone	ND	50000	ug/L	08/01/13	HM	SW8260
2-Isopropyltoluene	ND	10000	ug/L	08/01/13	HM	SW8260
4-Chlorotoluene	ND	10000	ug/L	08/01/13	HM	SW8260
4-Methyl-2-pentanone	ND	50000	ug/L	08/01/13	HM	SW8260
Acetone	50000	10000	ug/L	08/01/13	HM	SW8260
Acrylonitrile	ND	20000	ug/L	08/01/13	HM	SW8260
Benzene	ND	10000	ug/L	08/01/13	HM	SW8260
Bromobenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Bromochloromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Bromodichloromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Bromoform	ND	10000	ug/L	08/01/13	HM	SW8260
Bromomethane	ND	10000	ug/L	08/01/13	HM	SW8260
Carbon Disulfide	ND	10000	ug/L	08/01/13	HM	SW8260
Carbon tetrachloride	ND	10000	ug/L	08/01/13	HM	SW8260
Chlorobenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Chloroethane	ND	10000	ug/L	08/01/13	HM	SW8260
Chloroform	ND	10000	ug/L	08/01/13	HM	SW8260
Chloromethane	ND	10000	ug/L	08/01/13	HM	SW8260
cis-1,2-Dichloroethene	ND	10000	ug/L	08/01/13	HM	SW8260
cis-1,3-Dichloropropene	ND	10000	ug/L	08/01/13	HM	SW8260
Dibromochloromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Dibromomethane	ND	10000	ug/L	08/01/13	HM	SW8260
Dichlorodifluoromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Ethylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Hexachlorobutadiene	ND	10000	ug/L	08/01/13	HM	SW8260
Isopropylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
m&p-Xylene	ND	10000	ug/L	08/01/13	HM	SW8260
Methyl Ethyl Ketone	30000	20000	ug/L	08/01/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	20000	ug/L	08/01/13	HM	SW8260
Methylene chloride	7200000	100000	ug/L	08/01/13	HM	SW8260
Naphthalene	ND	10000	ug/L	08/01/13	HM	SW8260
n-Butylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
n-Propylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
o-Xylene	ND	10000	ug/L	08/01/13	HM	SW8260
p-Isopropyltoluene	ND	10000	ug/L	08/01/13	HM	SW8260
sec-Butylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Styrene	ND	10000	ug/L	08/01/13	HM	SW8260
tert-Butylbenzene	ND	10000	ug/L	08/01/13	HM	SW8260
Tetrachloroethene	ND	10000	ug/L	08/01/13	HM	SW8260
Tetrahydrofuran (THF)	ND	20000	ug/L	08/01/13	HM	SW8260
Toluene	ND	10000	ug/L	08/01/13	HM	SW8260
Total Xylenes	ND	10000	ug/L	08/01/13	HM	SW8260
trans-1,2-Dichloroethene	ND	10000	ug/L	08/01/13	HM	SW8260
trans-1,3-Dichloropropene	ND	10000	ug/L	08/01/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	20000	ug/L	08/01/13	HM	SW8260
Trichloroethene	ND	10000	ug/L	08/01/13	HM	SW8260
Trichlorofluoromethane	ND	10000	ug/L	08/01/13	HM	SW8260
Trichlorotrifluoroethane	ND	10000	ug/L	08/01/13	HM	SW8260
Vinyl chloride	ND	10000	ug/L	08/01/13	HM	SW8260

Project ID: NICHOLS PROPERTY MANCHESTER

Phoenix I.D.: BF13589

Client ID: DRUM 14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	106		%	08/01/13	HM	70 - 130 %
% Bromofluorobenzene	101		%	08/01/13	HM	70 - 130 %
% Dibromofluoromethane	86		%	08/01/13	HM	70 - 130 %
% Toluene-d8	101		%	08/01/13	HM	70 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 05, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 05, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	OIL	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13590

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: AST 4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Arsenic	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Barium	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Cadmium	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Chromium	< 0.9	0.9	mg/Kg	07/31/13	LK	SW6010
Mercury	< 0.16	0.16	mg/kg	07/31/13	RS	SW-7471
Lead	< 0.9	0.9	mg/kg	07/31/13	LK	SW6010
Selenium	< 2.2	2.2	mg/kg	07/31/13	LK	SW6010
Flash Point	175	200	degree F	07/31/13	H	SW1010
Ignitability	Passed	140	degree F	07/31/13	H	SW1030
Mercury digestion	Completed			07/31/13	H/H	SW7471
Oil digestion for Metals	Completed			07/30/13	Z/AG	SW846-3031
Waste Dilution PCB	Completed			07/30/13	JJ/JJ	SW3580
Polychlorinated Biphenyls						
PCB-1016	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1221	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1232	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1242	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1248	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1254	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1260	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1262	ND	2.0	mg/kg	07/31/13	AW	SW 8082
PCB-1268	ND	2.0	mg/kg	07/31/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	133		%	07/31/13	AW	30 - 150 %
% TCMX	105		%	07/31/13	AW	30 - 150 %

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: AST 4

Phoenix I.D.: BF13590

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Volatiles						
1,1,1,2-Tetrachloroethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloropropene	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	1800	250	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	540	250	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	250	mg/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	250	mg/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	250	mg/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	1300	mg/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	250	mg/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	250	mg/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	1300	mg/Kg	08/01/13	R/J	SW8260
Acetone	ND	1300	mg/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	250	mg/Kg	08/01/13	R/J	SW8260
Benzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Bromoform	ND	250	mg/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	250	mg/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	250	mg/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Chloroform	ND	250	mg/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	250	mg/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Ethylbenzene	260	250	mg/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260

Project ID: NICHOLS PROPERTY MANCHESTER

Client ID: AST 4

Phoenix I.D.: BF13590

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
m&p-Xylene	1000	250	mg/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	1300	mg/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	250	mg/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	250	mg/Kg	08/01/13	R/J	SW8260
Naphthalene	1200	250	mg/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	260	250	mg/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	300	250	mg/Kg	08/01/13	R/J	SW8260
o-Xylene	450	250	mg/Kg	08/01/13	R/J	SW8260
p-Isopropyltoluene	ND	250	mg/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	280	250	mg/Kg	08/01/13	R/J	SW8260
Styrene	ND	250	mg/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	250	mg/Kg	08/01/13	R/J	SW8260
Toluene	290	250	mg/Kg	08/01/13	R/J	SW8260
Total Xylenes	1450	250	mg/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	250	mg/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	250	mg/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	250	mg/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	250	mg/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	250	mg/Kg	08/01/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	99		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	87		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	93		%	08/01/13	R/J	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 05, 2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 05, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	OIL	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13591

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: AST 5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 1.0	1.0	mg/kg	07/31/13	LK	SW6010
Arsenic	< 1.0	1.0	mg/kg	07/31/13	LK	SW6010
Barium	25.6	1.0	mg/kg	07/31/13	LK	SW6010
Cadmium	2.3	1.0	mg/kg	07/31/13	LK	SW6010
Chromium	2.8	1.0	mg/Kg	07/31/13	LK	SW6010
Mercury	< 0.15	0.15	mg/kg	07/31/13	RS	SW-7471
Lead	81.0	1.0	mg/kg	07/31/13	LK	SW6010
Selenium	< 2.4	2.4	mg/kg	07/31/13	LK	SW6010
Flash Point	>200	200	degree F	07/31/13	H	SW1010
Ignitability	Passed	140	degree F	07/31/13	H	SW1030
Mercury digestion	Completed			07/31/13	H/H	SW7471
PCB Extraction	Completed			08/01/13	L	SW3510C
Oil digestion for Metals	Completed			07/30/13	Z/AG	SW846-3031
Polychlorinated Biphenyls						
PCB-1016	ND	17	ug/L	08/05/13	AW	8082
PCB-1221	ND	17	ug/L	08/05/13	AW	8082
PCB-1232	ND	17	ug/L	08/05/13	AW	8082
PCB-1242	ND	17	ug/L	08/05/13	AW	8082
PCB-1248	ND	17	ug/L	08/05/13	AW	8082
PCB-1254	ND	17	ug/L	08/05/13	AW	8082
PCB-1260	ND	17	ug/L	08/05/13	AW	8082
PCB-1262	ND	17	ug/L	08/05/13	AW	8082
PCB-1268	ND	17	ug/L	08/05/13	AW	8082
QA/QC Surrogates						
% DCBP	9.5*		%	08/05/13	AW	30 - 150 %
% TCMX	53		%	08/05/13	AW	30 - 150 %

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: AST 5

Phoenix I.D.: BF13591

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Volatiles						
1,1,1,2-Tetrachloroethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,1-Dichloropropene	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	490	50	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	140	50	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	50	mg/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	50	mg/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	50	mg/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	250	mg/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	50	mg/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	50	mg/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	250	mg/Kg	08/01/13	R/J	SW8260
Acetone	360	250	mg/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	50	mg/Kg	08/01/13	R/J	SW8260
Benzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Bromoform	ND	50	mg/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	50	mg/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	50	mg/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Chloroform	ND	50	mg/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	50	mg/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Ethylbenzene	250	50	mg/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: AST 5

Phoenix I.D.: BF13591

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
m&p-Xylene	770	50	mg/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	250	mg/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	50	mg/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	50	mg/Kg	08/01/13	R/J	SW8260
Naphthalene	130	50	mg/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	91	50	mg/Kg	08/01/13	R/J	SW8260
o-Xylene	290	50	mg/Kg	08/01/13	R/J	SW8260
p-Isopropyltoluene	ND	50	mg/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Styrene	ND	50	mg/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	110	50	mg/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	50	mg/Kg	08/01/13	R/J	SW8260
Toluene	640	50	mg/Kg	08/01/13	R/J	SW8260
Total Xylenes	1060	50	mg/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	50	mg/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	50	mg/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	50	mg/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	50	mg/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	50	mg/Kg	08/01/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	94		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	94		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	95		%	08/01/13	R/J	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

* Due to sample matrix, poor surrogate recovery was observed for PCBs.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
August 05, 2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

August 05, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/30/13	10:50
Location Code:	TRC-DAS	Received by:	LB	07/30/13	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF13585
Phoenix ID: BF13592

Project ID: NICHOLS PROPERTY MANCHESTER
Client ID: 299 BROAD CONCRETE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/30/13	KDB	E160.3
Extraction for PCB	Completed			08/01/13	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	330	ug/Kg	08/02/13	AW	3540C/8082
PCB-1221	ND	330	ug/Kg	08/02/13	AW	3540C/8082
PCB-1232	ND	330	ug/Kg	08/02/13	AW	3540C/8082
PCB-1242	ND	330	ug/Kg	08/02/13	AW	3540C/8082
PCB-1248	ND	330	ug/Kg	08/02/13	AW	3540C/8082
PCB-1254	ND	330	ug/Kg	08/02/13	AW	3540C/8082
PCB-1260	ND	330	ug/Kg	08/02/13	AW	3540C/8082
PCB-1262	ND	330	ug/Kg	08/02/13	AW	3540C/8082
PCB-1268	ND	330	ug/Kg	08/02/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	08/02/13	AW	30 - 150 %
% TCMX	90		%	08/02/13	AW	30 - 150 %

Project ID: NICHOLS PROPERTY MANCHESTER

Phoenix I.D.: BF13592

Client ID: 299 BROAD CONCRETE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
August 05, 2013

Monday, August 05, 2013

Requested Criteria: None

State: CT

Sample Criteria Exceedences Report

GBF13585 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [ ] No [X]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Temp 27° C Pg 1 of 1

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[X] Fax: 860-298-6399
[ ] Phone:
[X] Email: Sfarrick@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd. North
Windsor, CT

Project: Nichols Property - Manchester
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 7/30/12

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs	Total VOC	Total TCLP & (Pest)	Flashpoint / Ignitability	TCLP Pest / TCLP &	TCLP VOC X	pH / Reactivity	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container [ ] 8 oz	GL Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] HCl	PL As is [ ] 250ml [ ] 500ml [ ] H2SO4	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
13585	295 Broad - oil drums	oil	7/30	1050	X	X	X	X					2								
13586	295 Broad - Antifreeze	L	7/30	1055	X	X	X	X					2								
~~13587~~	~~295 Broad drums~~	~~L~~	~~7/30~~	~~1100~~																	
13587	295 Broad - AST comp	oil	7/30	1210	X	X	X	X					2								
13588	295 Broad - concrete	SD	7/30	1220	X				X				1								
13589	Drum 14'	L	7/30	1305			X	X		X	X	X	2								*
13590	AST-4'	oil	7/30	1320	X	X	X	X					2								
	~~AST 5'~~	~~oil~~	~~7/30~~	~~1325~~	~~X~~	~~X~~	~~X~~	~~X~~													
13591	AST 5'	oil	7/30	1400	X	X	X	X					2								
13592	295 Broad concrete	S	7/30	1450	X								1								
	~~295 Broad concrete~~	~~S~~	~~7/30~~	~~1500~~	~~X~~																

Relinquished by:	Accepted by:	Date:	Time:
[signature]	Paradise	7/30	1600

Comments, Special Requirements or Regulations:
Working for Manchester DPW
Use DAS Rates
* hold for possible TCLP analysis

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [ ] No [X]
Temp 27°C Pg 1 of

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[X] Fax: 860-298-6399
[ ] Phone:
[X] Email: Sfarrell@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd. North
Windsor, CT

Project: Nichols Property - Manchester
Report to: Steve Ferrell
Invoice to: Steve Ferrell

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 7/30/10

Analysis Request

Matrix Codes:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SO=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	RCRA	Total RCRA & Metals	Total VOC	Flashpoint / Ignitability	TCLP Metals	TCLP VOC	pH	Reactivity	Soil VOA Vials [ ] methanol [ ] H2O	8oz. Soil container [ ] 4oz.	32oz. Soil container [ ] 16oz.	40 ml VOA Vial [ ] HCl	1L Amber 1000ml [ ] As is [ ] HCl	1L As is [ ] 1250ml [ ] H2SO4	1L H2SO4 [ ] 1250ml [ ] 1000ml	1L HNO3 250ml	1L NaOH 250ml	Bacteria Bottle
135585	395 Broad - oil bomb	oil	7/30	1050	X	X	X	X								2						
135586	395 Broad - Antifreeze	L	7/30	1055	X	X	X	X								2						
~~135587~~	~~395 Broad - Drum~~	~~L~~	~~7/30~~	~~1100~~																		
135587	395 Broad - AST oil	oil	7/30	1210	X	X	X	X								2						
135588	395 Broad - concrete	SO	7/30	1220	X				X							1						
135589	Drum 14'	L	7/30	1305			X	X		X	X	X				2						X
135590	AST-4'	oil	7/30	1320	X	X	X	X								2						
~~135591~~	~~AST 5'~~	~~oil~~	~~7/30~~	~~1350~~	~~X~~	~~X~~	~~X~~	~~X~~														
135591	AST 5'	oil	7/30	1400	X	X	X	X								2						
135592	395 Broad concrete	S	7/30	1450	X											1						
~~135593~~	~~395 Broad concrete~~	~~S~~	~~7/30~~	~~1500~~	~~X~~																	

Relinquished by:	Accepted by:	Date:	Time:
[signature]	Paradise	7/30	1600

RI: [ ] Direct Exposure (Residential) [ ] GW [ ] Other

CT: [X] RCP Cert [ ] GW Protection [ ] SW Protection [ ] GA Mobility [ ] GB Mobility [ ] Residential DEC [ ] I/C DEC [ ] Other

MA: [ ] MCP Certification [ ] GW-1 [ ] GW-2 [ ] GW-3 [ ] S-1 [ ] S-2 [ ] S-3 [ ] MWRA eSMART [ ] Other

Data Format: [X] Excel [X] PDF [ ] GIS/Key [ ] FQIS [ ] Other

Data Package: [ ] Tier II Checklist [ ] Full Data Package* [ ] Phoenix Std Report [ ] Other

* SURCHARGE APPLIES

Comments, Special Requirements or Regulations:
Working for Manchester DPW
Use DAS Rates
K hold for possible TCLP analysis

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

ATTACHMENT (2)

Hazardous Material Disposal Documentation

21441

902008-13

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTCESQG99999

2. Page 1 of 1

3. Emergency Response Phone: 1 800 486-7745

4. Manifest Tracking Number: 011104976 JJK

GENERATOR

5. Generator's Name and Mailing Address
TOWN OF MANCHESTER GENERAL SERVICES DEPARTMEN
494 MAIN ST / P.O. BOX 191
MANCHESTER CT 06040
Generator's Phone: 860 647-3031

Generator's Site Address (if different than mailing address)
FORMER TIRES INTERNATIONAL
285 BROAD STREET
MANCHESTER CT 06040

6. Transporter 1 Company Name: ENVIRONMENTAL SERVICES, INC.
U.S. EPA ID Number: CTD018811802

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

8. Designated Facility Name and Site Address
NORTHLAND ENVIRONMENTAL, LLC.
275 ALLENS AVENUE
PROVIDENCE RI 02905
Facility's Phone: 401 781-6340
U.S. EPA ID Number: RID040098352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1593, WASTE DICHLOROMETHANE, 6.1, PGII.	001	DF	50	G	D028
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1)(E) ERG # 160 PROFILE # 562209 METHLENE CHLORIDE
ESI JOB # 2013-0796
ESI PO# 55644

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

Generator's/Offeror's Printed/Typed Name: MARK J. CZERPUSZKO
Signature
Month 8 Day 13 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: William York
Signature
Month 8 Day 13 Year 13
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

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

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

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 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: Wayne Thom
Signature
Month 8 Day 16 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTP000032299
2. Page 1 of 1
3. Emergency Response Phone: 800-638-1865
4. Manifest Tracking Number: 011970779 JJK

5. Generator's Name and Mailing Address
Town of Manchester
41 Cedar Street
Manchester CT 06045
Generator's Phone: 800 647-3067

Generator's Site Address (if different than mailing address)
295 Broad Street
Manchester CT 06040

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

8. Designated Facility Name and Site Address
EQ - Detroit, Inc.
1923 Frederick Street
Detroit MI 48211
Facility's Phone: 313 923-0080
U.S. EPA ID Number: MID980991568

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1.UN3264, WASTE Corrosive liquid, acidic, inorganic, n.o.s. (sulfuric acid) 8, PGII	001	DF	50	P	D002
X	2.UN3266, WASTE Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide) 8, PGII	002	DF	75	P	D002
X	3.RQ NA3082, Hazardous waste, liquid, n.o.s. (oil, benzene) 9, PGIII (RQ D008)	011	DM	00605	G	D008 D009 D018 F002
	4.NA1993, Combustible Liquid nos (petroleum distillates) Combustible PGIII	001	DF	00030	G	CR02 021L

14. Special Handling Instructions and Additional Information
1)K139010DET 1 x 19 ERG#154 2)K139009DET 1 x 15, 1 x 5 ERG#154 3)K139058DET ERG#171 4)K139011DET 1 x 30

Job# 03-15088

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

Generator's/Offeror's Printed/Typed Name: Amy Sisala Agent for Town of Manchester
Signature: Amy Sisala
Month 11 Day 13 Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M. Fad
Signature:
Month 11 Day 13 Year 13
Transporter 2 Printed/Typed Name: Brian S. Brian J.
Signature:
Month 11 Day 13 Year 13

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H010 2. H010 3. H141 4. H141

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month 11 Day 28 Year 13

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number CTP000032299	22. Page 2 of 2	23. Manifest Tracking Number 011970379JDK

24. Generator's Name: Town of Manchester

25. Transporter _____ Company Name | U.S. EPA ID Number

26. Transporter _____ Company Name | U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt/Vol.	31. Waste Codes
X	UN1950 Waste Aerosols, Flammable 2.1 SP-11296	001	D F	00030	P	D001 D035

32. Special Handling Instructions and Additional Information

D K139094 DET

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

35. Discrepancy

DESIGNATED FACILITY

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTP000032299
2. Page 1 of 2
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 011970777 JJK

5. Generator's Name and Mailing Address
Town of Manchester
41 Cedar Street
Manchester CT 06045
Generator's Phone: 800 647-3067

Generator's Site Address (if different than mailing address)
295 Broad Street
Manchester CT 06040

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Public Works Administration

6. Transporter 1 Company Name: New England Disposal Technologies, Inc. — U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: New England Disposal Technologies, Inc. — U.S. EPA ID Number: MAC300008059

8. Designated Facility Name and Site Address
Vexor Technology, Inc.
955 West Smith Road
Medina OH 44256
Facility's Phone: 330 721-9773
U.S. EPA ID Number: OHD077772895

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Connecticut State Regulated Oil Waste (petroleum oil, debris) Dis Nat 11/19/89 - 11/19/89	003	DM	00900	P	CR02		
	2. Connecticut State Regulated Oil Waste (petroleum oil, debris) Dis Nat 11/19/12 - 11/19/13	002	DF	00600	P	CR02		
	3. Connecticut State Regulated Oil Waste (grease, oil, debris) Dis Nat 11/19/04	001	CF	00500	P	CR02		
	4. Non-RCRA, non-DOT Regulated Material (latex paint) Dis Nat 11/19/15 - 11/19/16	002	CF	01000	P	CR04		

14. Special Handling Instructions and Additional Information
1)VEX26237 2)VEX26237 3)VEX26243 4)VEX26235
Job# 03-15088 4/4 90623 (1042)

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

Generator's/Offeror's Printed/Typed Name: Agent for Town of Manchester, James Tisdale — Signature: James Tisdale — Month 11 Day 13 Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M. Fad — Signature — Month 11 Day 13 Year 13
Transporter 2 Printed/Typed Name: Brady S. Bryling — Signature — Month 11 Day 24 Year 13

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

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

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

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 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: Joe Manning — Signature — Month 11 Day 25 Year 13

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	CTP000032209	2 of 2	011970777JJK

24. Generator's Name
Town of Manchester

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
	1 Non-RCRA non-DOT Regulated Material (ethylene glycol)	003	TP	00750	G	CR04

32. Special Handling Instructions and Additional Information
SWEX08246

GENERATOR

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

TRANSPORTER

35. Discrepancy

DESIGNATED FACILITY

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTP000032299
2. Page 1 of 2
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 011970778 JJK

5. Generator's Name and Mailing Address
Town of Manchester
41 Cedar Street
Manchester CT 06045
Generator's Phone: 800 647-3067

Generator's Site Address (if different than mailing address)
295 Broad Street
Manchester CT 06040

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

8. Designated Facility Name and Site Address
Drug & Laboratory Disposal, Inc.
331 Broad Street
Plainwell MI 49080
Facility's Phone: 269 685-9824
U.S. EPA ID Number: MID092947928

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ UN1263, WASTE Paint Related Materials 3, PGII (RQ D001) SP-11624	002	CF	01200	P	D001	D035	
X	2. UN2920, WASTE Corrosive liquids, flammable, n.o.s. (glacial acetic acid) 8 (3), PGII	001	DF	00012	P	D001	D002	
X	3. RQ UN2922, WASTE Corrosive liquids, toxic, n.o.s. (chromic acid) 8 (6.1), PGII (RQ D007)	001	DF	00002	G	D002	D007	
X	4. NA3082, Hazardous waste, liquid, n.o.s. (methylene chloride) 9, PGIII	002	DM	00800	P	F002		

14. Special Handling Instructions and Additional Information
1)27704-727 ERG#128 2)27704-747 1 x 5 ERG#132 3)27704-733 1 x 5 ERG#154
4)27704-001 2 x 85 ERG#171

Job# 03-15088

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

Generator's/Offeror's Printed/Typed Name: Amy S. Tisdale - Agent for Town of Manchester
Signature: Amy S Tisdale
Month 11 Day 13 Year 13

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Sharon M. Ford
Signature:
Month 11 Day 13 Year 13
Transporter 2 Printed/Typed Name: Bradley S Baylor Jr.
Signature:
Month 11 Day 24 Year 13

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. H141 3. H141 4. H141
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: Theresa Schronce
Signature: Theresa Schronce
Month 12 Day 2 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	CTP000032299	2 of 2	011970778JJK

24 Generator's Name: Town of Manchester

25 Transporter 3 Company Name: DRUG & LABORATORY DISPOSAL — U.S. EPA ID Number: MID092947928

26 Transporter ____ Company Name — U.S. EPA ID Number:

27a HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28 Containers No.	28 Containers Type	29 Total Quantity	30 Unit Wt/Vol.	31 Waste Codes
X	5. UN3082, WASTE Environmentally hazardous substances, liquid, n.o.s. (creosote) 9, PGIII	001	DF	00025	G	U051

32. Special Handling Instructions and Additional Information
5)27704-002 1 x 55 ERG#171

GENERATOR

33. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name: MANDI ROBBINS — Signature: [signature] — Month 11 Day 25 Year 13

34. Transporter ____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

TRANSPORTER

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
5) H141

DESIGNATED FACILITY

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete

FILE COPY

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTP 000 033399
2. Page 1 of: 1
3. Emergency Response Phone: 800 483 3718
4. Manifest Tracking Number: 006949254 FLE

5. Generator's Name and Mailing Address: TOWN OF MANCHESTER. P.O BOX 191 - MARK CORINO MANCHESTER, CT 06045-191

Generator's Site Address (if different than mailing address): 395 BROAD STREET MANCHESTER, CT 06040

Generator's Phone: 413-642-3062

6. Transporter 1 Company Name: WESTERN MASS ENVIRONMENTAL, LLC — U.S. EPA ID Number: MAC 300 010 147

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MURPHY'S WASTE OIL SERVICE, INC. 252 SALEM STREET WOBURN, MA 01801 — U.S. EPA ID Number: MAD 000 588 005

Facility's Phone: 800-522-4645

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NA 1270, PETROLEUM OIL COMBUSTIBLE LIQUID, PG III	001	T.T.	20	G	MA98 CR03
	2.					
	3.					
	4.					

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14. Special Handling Instructions and Additional Information

DENSITY < 1000 PPM.

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

Generator's/Offeror's Printed/Typed Name: A TOM WEHR — Signature: A Tom Wehr — Month 12 Day 10 Year 13

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ANGEL ACEVEDO — Signature: Angel Acevedo — Month 12 Day 10 Year 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

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

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141 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: Stanley J. Swistak — Signature — Month 12 Day 11 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Job # 03-15088
Day & Date Wed. 11-13-13
Contact Person Brenden Reagan
Telephone 508-402-7714
Client CRS
Billing Address 1075 AIRPORT RD.
FALL RIVER, MA 02720
Attn:

NEW ENGLAND DISPOSAL TECHNOLOGIES, INC.
83 Gilmore Drive • Sutton, MA 01590
Tel: (508) 234-4440 Fax: (508) 234-4441
www.NEDTINC.com

Start Time Stop Time
Job Location Town of Manchester CT
295 BROAD ST
Manchester CT 06040
Site Contact Person
Phone

LABOR:

NAME	TITLE	ST	OT
	Senior Staff PM S HS		
	License Site Professional		
	Staff Geologist		
	Foreman		
	Field Chemist		
	Field Chemist		
S. FORD	Equipment Operator		
S. Kelly	Equipment Operator		
	Equipment Operator		
	Equipment Operator		
	Field Technician		
	Field Technician		
	Field Technician		
	Field Technician		
	Field Technician		

MATERIAL:

QTY	DESCRIPTION	QTY	DESCRIPTION
	Level B PPE		Roll Off Liner
	Level C PPE		Dump Trailer Liner
	Modified Level D PPE		Poly Bags
	Roll Duct Tape		Bags Vermiculite
	Speedi Dry		5 Gallon Pail
	Sorbent Pads Bale		15 Gallon Drum
	Sorbent Boom Bale		30 Gallon Drum
	Flex Hose 4" 6"		55 Gallon Drum
		2	Overpack Drum
			Poly Sheeting

EQUIPMENT:

QTY		Fleet#	HRS.
	Service Truck ❑ PU ❑ UT ❑ RK		
	Chemist Support Van		
2	Box Truck with Liftgate		
	Box Trailer		
	Tractor		
	Dump Truck		
	Roll Off Truck		
	Roll Off Trailer		
	Tractor		
	Roll Off Container #		
	Roll Off Container #		
	Roll Off Container #		
	Roll Off Container #		
	Vacuum Tank Truck		
	Vacuum Trailer		
	Tractor		
	Vactor		
	Dump Trailer		
	Tractor		
	Bobcat		
	Excavator ❑ SM ❑ LG		
	Backhoe		
	Utility Trailer		
	Confined Space Rescue Set		
	Meter ❑ 4 Gas ❑ PID		
	Compressor/Blower		
	Sawzall ❑ Cutoff ❑		
	Generator		
	Pressure Washer		
	Demo Hammer		
	Cascade Air Line System		
	Pumps		
	Emergency Response Trailer		
	Drum Loader		
	Vibrating Compactor		
	Miscellaneous Tools & Disposables		
CRS	1 x 5 mercury Article	BOL	
	1 TV		
	8 Boxes 4' Bulbs		
	8 Boxes 8' Bulbs		

NEDT
30 x 55 Empties FOR Disposal

2 x 55 DF
1 x 30 DF
2 x 15 DF
TRASH

DISPOSAL:

FACILITY	QTY./DESC.	MANIFEST #
Vexor	3x55Dm 2x55	DF 01197077JJK
	Oil/debris	
	1 CF Grease/oil	
	2 CF Latex Paint	
	3 Totes Antifreeze	
DLD	2 CF Paint	01197077 8JJK
	1 x 5 Glacial Acetic Acid	
	1 x 5 Chromic Acid	
	2 x 85 methylene Chloride	
	1 x 55 creasote	

JOB DESCRIPTION:

EQ Detroit	1 x 15 sulfuric acid	01197077JJK
	(1 x 15, 1 x 5) Sodium Hydroxide	
	11 x 55 oil, benzene	
	1 x 30 comb. Liquid	
Wayne Disp.	2 x 55 Light Ballasts	01197053 0JJK
IRR	1 propane Tank	BOL
	1 x 55 Fire Extinguishers	

Customer Signature: Amy Stisdale - Agent for X Town of Manchester Date 11-13-13
NEDT Rep.: Date 11-13-13
Comments:

FORM# 427-REV.5/12 — 1000

Land Disposal Restriction & Certification Form

Please check the appropriate facility:

☐ Michigan Disposal Waste Treatment Plant	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 000 724 831
☐ Wayne Disposal, Inc. Site #2 Landfill	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 048 090 633
☒ EQ Detroit, Inc.	1923 Frederick Street, Detroit, MI 48211	EPA ID # MID 980 991 566
☐ EQ Resource Recovery, Inc.	36345 Van Born Road, Romulus, MI 48174	EPA ID # MID 060 975 844
☐ EQ North Carolina	1005 Investment Blvd, Apex, NC 27502	EPA ID # NCD 982 170 292
☐ EQ Florida, Inc.	7202 East 8th Ave, Tampa, FL 33619	EPA ID # FLD 981 932 484

Generator Name: Town of Manchester CT U.S. EPA ID No.: CTP000032299

Generator Address: 295 BROAD ST Manchester, CT

State Manifest No.: 011970779 JJK Manifest Doc. No.:

Instructions

Column 1: Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.
Column 2: Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
Column 3: Enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) – soil, or 268.45 – debris.
Column 4: Enter the letter of the appropriate paragraph from pages 1-2 of this form.
Column 5: For F001 – F005, F039, D001 – D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment. The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soil and Debris wastes.
11A	D002	NWW	CORROSIVE ph < 2	A	—
11B	D002	NWW	CORROSIVE ph ≥ 12.5	A	—
11C	D006, D008, D018, F002	NWW	NONE	A	3, 107, 141, 199
11D					

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: Title:

Printed Name: Date:

How Must the Waste Be Managed?

S. THIS CONTAMINATED SOIL *DOES / DOES NOT* (CIRCLE ONE) CONTAIN LISTED HAZARDOUS WASTE AND *DOES / DOES NOT* (CIRCLE ONE) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND *IS SUBJECT TO / COMPLIES WITH* (CIRCLE ONE) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

CUSTOMER COPY

DRUG & LABORATORY DISPOSAL, INC.

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

Generator Name: Town of Manchester CT

Manifest Number: 011970778 JJK LDR Continuation Page? ☑No ☐Yes 1 of 2

Applicable Certification/Notification Statement (found on reverse side) : A

F001 – F005 SPENT SOLVENTS

CONSTITUENT	WW	NWW	CONSTITUENT	WW	NWW
Acetone – F003			Methylene chloride – F002		✓
Benzene – F005 *(D018)*			Methyl ethyl ketone – F005 *(D035)*		✓
n-Butyl alcohol – F003			Methyl isobutyl ketone – F003		
Carbon disulfide – F005			Nitrobenzene – F004 *(D036)*		
Carbon tetrachloride – F001 *(D019)*			2-Nitropropane – F005		
Chlorobenzene – F002 *(D021)*			Pyridine – F005 *(D038)*		
m- & p-Cresol – F004 *(D024 & D025)*			Tetrachloroethylene – F001 *(D039)*		
o-Cresol – F004 *(D023)*			Tetrachloroethylene – F002 *(D039)*		
Cyclohexanone – F003			Toluene – F005		
1,2-Dichlorobenzene – F002			1,1,1-Trichloroethane – F001		
2-Ethoxyethanol – F005			1,1,1-Trichloroethane – F002		
Ethyl acetate – F003			1,1,2-Trichloroethane – F002		
Ethyl benzene – F003			1,1,2-Trichloro-1,2,2-trifluoroethane – F002		
Ethyl ether – F003			Trichloroethylene – F001 *(D040)*		
Isobutanol – F005			Trichloroethylene – F002 *(D040)*		
Methanol – F003			Trichlorofluoromethane - F002		
Methylene chloride - F001			Xylene - F003		

Shaded areas indicate waste that can carry D waste numbers also. D waste numbers shown in parenthesis are for reference only.

OTHER RESTRICTED WASTES

EPA Hazardous Waste No.	WW	NWW	Subcategory of Waste	EPA Hazardous Waste No.	WW	NWW	Subcategory of Waste
D001		✓	High TOC-Ignitable Liquid (≥10%)	D007		✓	None ✓
D001			Ignitable Waste in non-CWA/SDWA	U051		✓	✓
D002		✓	Corrosive Waste in non-CWA/SDWA				
D003			Reactive Cyanides				
D003			Reactive Sulfides				
D003			Water Reactive				
D003			Other Reactive				
D009			High Mercury – Inorganic (≥260 mg/kg)				
D009			High Mercury – Organic (≥260 mg/kg)				
D009			Low Mercury (<260 mg/kg)				
			None				

LRD:111706

CUSTOMER COPY

HAZARDOUS DEBRIS

☐ This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45.
The contaminants subject to treatment are indicated on the attached *Underlying Hazardous Constituent* form.

UNDERLYING HAZARDOUS CONSTITUENTS (UHCs)

For D001 [except High (>10%) TOC Subcategory], D002 - D043, and F039 wastes; UHCs, which can reasonably be expected to be present at the point generation at a concentration above the constituent-specific Universal Treatment Standard, must be indicated on the Underlying Hazardous Constituen Form. UHCs need not be determined for lab packs managed under the alternative treatment standards for lab packs.

☐ No UHCs ☐ UHCs identified on attached Underlying Hazardous Constituents Form

CERTIFICATION STATEMENTS

A. RESTRICTED WASTE REQUIRING TREATMENT

I am the initial generator of the restricted waste(s) listed on the reverse side which must be treated to the applicable treatment standard prior to land disposal.

B. RESTRICTED WASTE MEETING TREATMENT STANDARDS AT THE POINT OF GENERATION

I am the initial generator of the EPA hazardous waste number(s) listed on the reverse side. I have determined that the waste meets all applicable treatment standards set forth in 40 CFR Part 268 and therefore, can be land disposed without further treatment.

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

C. LAB PACKS MANAGED UNDER ALTERNATIVE TREATMENT STANDARDS

The lab packs identified on the reverse side do not contain any of the wastes specified in Appendix IV and are managed under the alternative treatment standards in 40 CFR 268.42(c).

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under appendix IV to 40 CFR part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 269.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

D. RESTRICTED WASTE CONSISTING OF CONTAMINATED SOIL NOT MEETING TREATMENT STANDARDS

The contaminated soil identified on the reverse side does not meet the soil treatment standard in 40 CFR 268.49(c).

"I certify under penalty of law that I personally have examined this contaminated soil and it [does/does not] contain listed hazardous waste and [does/does not] exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 268.49(c)."

E. DECHARACTERIZED WASTE CONTAINING UNDERLYING HAZARDOUS CONSTITUENTS REQUIRING FURTHER TREATMENT

The decharacterized hazardous waste listed on the reverse side contain underlying hazardous constituents requiring further treatment.

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

F. RESTRICTED WASTE SUBJECT TO A VARIANCE OR EXEMPTION

The waste identified on the reverse side is exempt from LDR standards and subject to a nationwide variance which expires on _____.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

_____ _____
Generator Signature Date

*Concentration in mg/l TCLP

March 20, 2009

U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety Administration**

East Building, PHH – 30
1200 New Jersey Avenue, Southeast
Washington, D.C. 20590

DOT-SP 11624
(THIRTEENTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)

2. PURPOSE AND LIMITATION:

a. This special permit authorizes the transportation in commerce of certain waste paints and paint related materials, Class 3, in metal or plastic pails, packed in cubic yard boxes, dump trailers, and roll-off containers. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.

b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.

c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.173(b)(2) and 173.242 in that inner metal or plastic packagings of not over 7 gallons packed in cubic yard boxes, dump trailers and roll-off containers are not authorized, except as specified herein; § 172.301(a) in that each inner packaging is not marked with the proper shipping name and identification number; § 172.301(c) in that each inner packaging is not marked with the special permit number; and § 172.400(a) in that each inner packaging is not labeled.

5. BASIS: This special permit is based on the application of Pacific Commercial Services, LLC dated January 14, 2009, submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	**Hazard Class/ Division**	**Identi- fication Number**	**Packing Group**
Paint (preceded by the word "Waste" if applicable)	3	UN1263	II and III
Paint related material (preceded by the word "Waste" if applicable)	3	UN1263	II and III

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Inner metal or plastic packagings of not over 7 gallons each, packed in cubic yard boxes, dump trailers, and roll-off containers. The cubic yard boxes, dump trailers, and roll-off containers must be liquid tight through design or by the use of plastic lining materials.

b. OPERATIONAL CONTROLS -

(i) All packagings inside cubic yard boxes, dump trailers and roll-off containers must be blocked and braced to prevent movement during transportation that could cause the container to open or fall over.

(ii) No leaking containers may be transported under the terms of this special permit, unless overpacked in a UN specification package capable of containing the leakage or in accordance with § 173.12.

c. Only waste materials may be transported under the terms of this special permit.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. MARKING - The outside of each yard box, dump trailer and roll-off container must be plainly and durably marked with "DOT-SP 11624" at least 2 inches in height.

d. The marking requirements for each inner packaging in accordance with § 172.301(a) and (c) are waived.

e. LABELING - The labeling of each inner packaging in accordance with § 172.400(a) is waived.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this special permit.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) - 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:

for Theodore L. Willke
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO:KFW/sln

U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety Administration**

East Building, PHH-30
1200 New Jersey Avenue, Southeast
Washington, D.C. 20590

SPECIAL PERMIT AUTHORIZATION

DOT-SP 11624

EXPIRATION DATE: December 31, 2013

GRANTEE: New England Disposal Technologies, Inc.
Sutton, MA

In response to your December 17, 2009 application for renewal of DOT-SP 11624, the grantee status to DOT-SP 11624 for New England Disposal Technologies, Inc. is hereby renewed in accordance with 49 CFR § 107.109.

Copies of this special permit may be obtained by accessing the Office of Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. The most recent revision of the special permit supersedes all previous revisions of the special permit. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

If you have questions regarding this action please call the Office of Hazardous Materials Special Permits and Approvals at (202)366-4535.

Issued in Washington D.C. on **April 12, 2010.**

for Dr. Magdy El-Sibaie
Acting Associate Administrator
for Hazardous Materials Safety

CERTIFICATE OF RECLAMATION

ISSUED TO

Associated Building Wreckers

299 Broad Street, Manchester, CT 06040

FOR THE FOLLOWING:

SR #	DATE RCVD.
117762	11/13/2013

DESCRIPTION	QTY.
Assorted Oils,Acids,PCB's,Paint, (includes Disposal,Trans & all Fees)	1

By accepting the above referenced material, Complete Recycling Solutions, LLC "CRS" has certified to the generator that reclamation methods employed by properly licensed off-site facilities and/or CRS are in accordance with applicable Federal Regulation 40 CFR.

Complete Recycling Solutions, LLC certifies that the information contained in or accompanying this document is true, accurate and complete.

Cheryl Michael
Signed

Documents Manager
Title

COMPLETE RECYCLING SOLUTIONS, LLC
1075 AIRPORT ROAD, FALL RIVER , MA 02720
TELEPHONE (866) 277-9797 FAX (508) 402-7750

Complete Recycling Solutions, LLC

CRS

1075 Airport Road • Fall River, MA 02720

Order Report

Service Request No.: 117762

Received Date: 11/13/13

Generators:

1 **Associated Building Wreckers** - 299 Broad Street, Manchester, CT 06040

Associated Building Wreckers
Contact: Mr. Fred VanDerhoof
Address: 352 Albany Street
Springfield, MA 01105

Phone: 413-244-8644 (Cell

GEN	--- CONTAINERS --- # OF	TYPE	# PER	QTY TOTAL	LENGTH	--- POUNDS --- UNIT	TOTAL	PRODUCT DESCRIPTION	BILLING U/M
1	1	Job	1	1				Assorted Oils,Acids,PCB's,Paint, (includes Disposal,Trans & all	per job
				1	**0.0**				

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTP000032299
2. Page 1 of 3
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 011970779 JJK

GENERATOR

5. Generator's Name and Mailing Address
Town of Manchester
41 Cedar Street
Manchester CT 06045
Generator's Phone: 800 647-3067

Generator's Site Address (if different than mailing address)
295 Broad Street
Manchester CT 06040

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

8. Designated Facility Name and Site Address
EQ - Detroit, Inc.
1923 Frederick Street
Detroit MI 48211
Facility's Phone: 313 923-0080
U.S. EPA ID Number: MID980991566

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3264, WASTE Corrosive liquid, acidic, inorganic, n.o.s. (sulfuric acid) 8, PGII	001	DF	50	P	D002		
X	2. UN3266, WASTE Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide) 8, PGII	002	DF	75	P	D002		
X	3. RQ NA3082, Hazardous waste, liquid, n.o.s. (oil, benzene) 9, PGIII (RQ D008)	011	DM	00605	G	D006	D008	D018
						F002		
	4. NA1993, Combustible Liquid nos (petroleum distillates) Combustible PGIII	001	DF	00030	G	CR02	021L	

14. Special Handling Instructions and Additional Information
1)K139010DET 1 x 15 ERG#154 2)K139009DET 1 x 15, 1 x 5 ERG#154 3)K139056DET ERG#171 4)K139011DET 1 x 30

Job# 03-15088

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

Generator's/Offeror's Printed/Typed Name: X Amy S. Tisdale, Agent for Town of Manchester X
Signature: Amy Tisdale
Month 11 Day 13 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M. Ford
Signature:
Month 11 Day 13 Year 13
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

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

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

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

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	CTP000032299	2 of 2	011970779JJK

24. Generator's Name

Town of Manchester

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	UN1950 Waste Aerosols, Flammable 2.1 SP-11296	001	D F	00030	P	D001	D035	

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

PA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTP000032299
2. Page 1 of 1
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 011970530 JJK

5. Generator's Name and Mailing Address
Town of Manchester
41 Cedar Street
Manchester CT 06045
Generator's Phone: 800 647-3067

Generator's Site Address (if different than mailing address)
295 Broad Street
Manchester CT 06040

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

8. Designated Facility Name and Site Address
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville MI 48111
Facility's Phone: 800 592-5489
U.S. EPA ID Number: MID048090633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ UN3432, Polychlorinated biphenyls, solid 9, PGII	002	DM	300	K	CR01	PCB5	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1)K139012WDI PCB Light Ballasts ERG#171

Unique Drum #'s; 111313-1, 111313-2

Out of Service Date: 11-13-13

Job# 03-15088

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

Generator's/Offeror's Printed/Typed Name: Amy S. Tisdale Agent for Town of Manchester
Signature: X Amy S. Tisdale
Month 11 Day 13 Year 13

INT'L 16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER 17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M. Fad
Signature:
Month 11 Day 13 Year 13
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY 18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

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

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTP000032299
2. Page 1 of 2
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 011970777 JJK

5. Generator's Name and Mailing Address
Town of Manchester
41 Cedar Street
Manchester CT 06045
Generator's Phone: 800 647-3067

Generator's Site Address (if different than mailing address)
295 Broad Street
Manchester CT 06040

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

8. Designated Facility Name and Site Address
Vexor Technology, Inc.
955 West Smith Road
Medina OH 44256
Facility's Phone: 330 721-9773
U.S. EPA ID Number: OHD077772895

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Connecticut State Regulated Oil Waste (petroleum oil, debris)	003	DM	00900	P	CR02		
	2. Connecticut State Regulated Oil Waste (petroleum oil, debris)	002	DF	00600	P	CR02		
	3. Connecticut State Regulated Oil Waste (grease, oil, debris)	001	CF	00500	P	CR02		
	4. Non-RCRA, non-DOT Regulated Material (latex paint)	002	CF	01000	P	CR04		

14. Special Handling Instructions and Additional Information
1)VEX26237 2)VEX26237 3)VEX26243 4)VEX26235

Job# 03-15088

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

Generator's/Offeror's Printed/Typed Name: X Amy S. Tisdale, Agent for Town of Manchester
Signature: X Amy S Tisdale
Month 11 Day 13 Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter signature (for exports only):
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M. Fad
Signature: [illegible]
Month 11 Day 13 Year 13
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

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

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	CTP000032299	2 of 2	011970777JJK

24. Generator's Name
Town of Manchester

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
	5. Non-RCRA, non-DOT Regulated Material (ethylene glycol)	003	TP	00750	G	CR04		

GENERATOR

32. Special Handling Instructions and Additional Information
5)VEX26236

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTP000032299
2. Page 1 of 2
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 011970778 JJK

5. Generator's Name and Mailing Address
Town of Manchester
41 Cedar Street
Manchester CT 06045
Generator's Phone: 800 647-3067

Generator's Site Address (if different than mailing address)
295 Broad Street
Manchester CT 06040

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

8. Designated Facility Name and Site Address
Drug & Laboratory Disposal, Inc.
331 Broad Street
Plainwell MI 49080
Facility's Phone: 269 685-9824
U.S. EPA ID Number: MID092947928

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ UN1263, WASTE Paint Related Materials 3, PGII (RQ D001) SP-11624	002	CF	01200	P	D001	D035	
X	2. UN2920, WASTE Corrosive liquids, flammable, n.o.s. (glacial acetic acid) 8 (3), PGII	001	DF	00012	P	D001	D002	
X	3. RQ UN2922, WASTE Corrosive liquids, toxic, n.o.s. (chromic acid) 8 (6.1), PGII (RQ D007)	001	DF	00002	G	D002	D007	
X	4. NA3082, Hazardous waste, liquid, n.o.s. (methylene chloride) 9, PGIII	002	DM	00800	P	F002		

14. Special Handling Instructions and Additional Information
1)27704-727 ERG#128 2)27704-747 1 x 5 ERG#132 3)27704-733 1 x 5 ERG#154
4)27704-001 2 x 85 ERG#171

Job# 03-15088

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

Generator's/Offeror's Printed/Typed Name: X Amy S. Tisdale - Agent for Town of Manchester
Signature: X Amy S Tisdale
Month 11 Day 13 Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M. Ford
Signature:
Month 11 Day 13 Year 13
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

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

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

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

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	CTP000032299	2 of 2	011970778JJK

24. Generator's Name

Town of Manchester

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	5. UN3082, WASTE Environmentally hazardous substances, liquid, n.o.s. (creosote) 9, PGIII	001	DF	00025	G	U051		

32. Special Handling Instructions and Additional Information

5)27704-002 1 x 55 ERG#171

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month — Day — Year

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

RECEIVED
DEC 27 2013
Public Works Administration

GENERATOR APPROVAL NOTIFICATION

Customer: NEW ENGLAND DISPOSAL TECH., INC. December 23, 2013

Mark Carlino
TOWN OF MANCHESTER
41 CENTER ST
MANCHESTER, CT 06045

This Generator Approval Notification acknowledges the acceptability of waste material(s) into the noted EQ facility(s) identified below and ensures that each facility has the appropriate permit(s) issued by federal and state regulatory agencies to properly transport, treat, and/or dispose of the waste material(s).

The Approval(s) listed below are based upon characterization information supplied to EQ by the Customer and the Generator (if other than the Customer). The Customer is ultimately responsible for the accuracy and completeness of all such information, whether provided by the Customer or the Generator. The Customer must notify EQ immediately upon knowledge of any changes to this information. The Approval and all wastes which are transported, delivered, or tendered to EQ under this Approval shall be subject to the Standard Terms and Conditions associated with the original Waste Profile Form. (The Standard Terms and Conditions are incorporated into the Waste Profile Form as Page 4.)

The Approval(s) will expire on the date(s) noted. Any new Approvals obtained from EQ on future business will be valid for a period of one (1) year from the date of issuance. Within 60 days of the Approval Expiration Date, you will be notified of the requirements for recertification.

Generator: TOWN OF MANCHESTER
EPA ID No.: CTP000032299

Waste Common Name: MINERAL ACID/SALTS LOOSE PACK MIX
Waste Code(s): D002
Comments:

Approval No.: K139010DET **Expiration Date:** 10/31/2014
EQ Facility Name & ID Number: EQ Detroit, Inc. (MID980991566)

RECEIVED
NOV 12 2013
Public Works Administration

GENERATOR APPROVAL NOTIFICATION

Customer: NEW ENGLAND DISPOSAL TECH., INC. November 4, 2013

Mark Carlino
TOWN OF MANCHESTER
41 CENTER ST
MANCHESTER, CT 06045

This Generator Approval Notification acknowledges the acceptability of waste material(s) into the noted EQ facility(s) identified below and ensures that each facility has the appropriate permit(s) issued by federal and state regulatory agencies to properly transport, treat, and/or dispose of the waste material(s).

The Approval(s) listed below are based upon characterization information supplied to EQ by the Customer and the Generator (if other than the Customer). The Customer is ultimately responsible for the accuracy and completeness of all such information, whether provided by the Customer or the Generator. The Customer must notify EQ immediately upon knowledge of any changes to this information. The Approval and all wastes which are transported, delivered, or tendered to EQ under this Approval shall be subject to the Standard Terms and Conditions associated with the original Waste Profile Form. (The Standard Terms and Conditions are incorporated into the Waste Profile Form as Page 4.)

The Approval(s) will expire on the date(s) noted. Any new Approvals obtained from EQ on future business will be valid for a period of one (1) year from the date of issuance. Within 60 days of the Approval Expiration Date, you will be notified of the requirements for recertification.

Generator: TOWN OF MANCHESTER
EPA ID No.: CTP000032299

Waste Common Name: ALKALINE LIQUIDS/SALTS/LOOSEPACK MIX IN VERMICULI
Waste Code(s): D002
Comments:

Approval No.: K139009DET **Expiration Date:** 10/31/2014
EQ Facility Name & ID Number: EQ Detroit, Inc. (MID980991566)

RECEIVED
NOV 12 2013
Public Works Administration

GENERATOR APPROVAL NOTIFICATION

Customer: NEW ENGLAND DISPOSAL TECH., INC. November 6, 2013

Mark Carlino
TOWN OF MANCHESTER
41 CENTER ST
MANCHESTER, CT 06045

This Generator Approval Notification acknowledges the acceptability of waste material(s) into the noted EQ facility(s) identified below and ensures that each facility has the appropriate permit(s) issued by federal and state regulatory agencies to properly transport, treat, and/or dispose of the waste material(s).

The Approval(s) listed below are based upon characterization information supplied to EQ by the Customer and the Generator (if other than the Customer). The Customer is ultimately responsible for the accuracy and completeness of all such information, whether provided by the Customer or the Generator. The Customer must notify EQ immediately upon knowledge of any changes to this information. The Approval and all wastes which are transported, delivered, or tendered to EQ under this Approval shall be subject to the Standard Terms and Conditions associated with the original Waste Profile Form. (The Standard Terms and Conditions are incorporated into the Waste Profile Form as Page 4.)

The Approval(s) will expire on the date(s) noted. Any new Approvals obtained from EQ on future business will be valid for a period of one (1) year from the date of issuance. Within 60 days of the Approval Expiration Date, you will be notified of the requirements for recertification.

Generator: TOWN OF MANCHESTER
EPA ID No.: CTP000032299

Waste Common Name: WATER/PET. DIST./OIL MIX
Waste Code(s): 021L CR02
Comments:

Approval No.: K139011DET **Expiration Date:** 10/31/2014
EQ Facility Name & ID Number: EQ Detroit, Inc. (MID980991566)

RECEIVED
NOV 12 2013
Public Works Administration

GENERATOR APPROVAL NOTIFICATION

Customer: NEW ENGLAND DISPOSAL TECH., INC.

November 4, 2013

Mark Carlino
TOWN OF MANCHESTER
41 CENTER ST
MANCHESTER, CT 06045

This Generator Approval Notification acknowledges the acceptability of waste material(s) into the noted EQ facility(s) identified below and ensures that each facility has the appropriate permit(s) issued by federal and state regulatory agencies to properly transport, treat, and/or dispose of the waste material(s).

The Approval(s) listed below are based upon characterization information supplied to EQ by the Customer and the Generator (if other than the Customer). The Customer is ultimately responsible for the accuracy and completeness of all such information, whether provided by the Customer or the Generator. The Customer must notify EQ immediately upon knowledge of any changes to this information. The Approval and all wastes which are transported, delivered, or tendered to EQ under this Approval shall be subject to the Standard Terms and Conditions associated with the original Waste Profile Form. (The Standard Terms and Conditions are incorporated into the Waste Profile Form as Page 4.)

The Approval(s) will expire on the date(s) noted. Any new Approvals obtained from EQ on future business will be valid for a period of one (1) year from the date of issuance. Within 60 days of the Approval Expiration Date, you will be notified of the requirements for recertification.

Generator: TOWN OF MANCHESTER
EPA ID No.: CTP000032299

Waste Common Name: MINERAL ACID/SALTS LOOSE PACK MIX
Waste Code(s): D002
Comments:

Approval No.: K139010DET **Expiration Date:** 10/31/2014
EQ Facility Name & ID Number: EQ Detroit, Inc. (MID980991566)

OhioEPA
State of Ohio Environmental Protection Agency

STREET ADDRESS:
Lazarus Government Center
122 South Front St.
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:
Lazarus Government Center
P. O. Box 1049
Columbus, OH 43216-1049

September 22, 1999

Re: Medina
Medina County
Application No. 02-13327
Application for Industrial Waste Processing Facility for Vexor Technology Inc. at 955 West Smith Road
Plans Received August 3, 1999
From Emcon

CERTIFIED MAIL

Vexor Technology, Inc.
Attn: Phil Staph
955 West Smith Road
Medina, OH 44256

Ladies and Gentlemen:

Enclosed is the Ohio EPA Permit to Install which will allow you to install the described source in the manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

You are hereby notified that this action of the director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code by any person who was a party to this proceeding. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the director's action. A copy of the appeal must be served on the director of the Ohio Environmental Protection Agency and the Environmental Enforcement Section of the Office of the Attorney General within three (3) days of filing with the board. An appeal must be filed with the Environmental Review Appeals Commission at 236 East Town Street, Room 300, Columbus, OH 43266-0557.

You should note that a general condition of your permit states that issuance of the permit does not relieve you of the duty of complying with all applicable federal, state, and local laws, ordinances, and regulations.

If you have any questions, please contact the Ohio EPA district office to which you submitted your application.

Sincerely
Martha D. Spurbeck

Martha D. Spurbeck, Supervisor
Permit Processing Unit
Division of Surface Water

MDS/kep

Enclosure

cc: Northeast District Office
Medina County Health Department
Emcon

Ohio Environmental Protection Agency

Permit to Install

Application No. 02-13327

Applicant's Name: Vexor Technology, Inc.

Address: 955 West Smith Road

City: Medina State: Ohio 44256

Person to Contact: Phil Stapf, President
Telephone: (330) 721-9773

Description of Proposed Source: Industrial Waste Processing Facility for Vexor Technology Inc. at 955 West Smith Road, Medina, Medina County

Issuance Date: September 22, 1999

Effective Date: September 22, 1999

The above named entity is hereby granted a permit to install for the above described source pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source of environmental pollutants will operate in compliance with applicable state and federal laws and regulations, and does not constitute expressed or implied assurance that, if constructed or modified in accordance with those plans and specifications, the above described source of pollutants will be granted the necessary operating permits. This permit is granted subject to the following conditions attached hereto.

Ohio Environmental Protection Agency

Christopher Jones
Director
P. O. Box 1049, 122 South Front Street
Columbus, OH 43216-1049

Ohio Environmental Protection Agency

Permit to Install

Application No: 02-20895

Applicant Name: Vexor Technology, Inc.
Address: 955 West Smith Road
City: Medina
State: Ohio, 44256

Person to Contact: Patrick Oberth
Telephone: 330-721-9773

Description of Proposed Source: Solidification Pit Installation for Vexor Technology Plant Process Expansion at 955 West Smith Road, Medina, Medina County

Issuance Date: July 18, 2005
Effective Date: July 18, 2005

The above named entity is hereby granted a permit to install for the above described source pursuant to Chapter 3745-42 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source of environmental pollutants will operate in compliance with applicable state and federal laws and regulations. Issuance of this permit does not constitute expressed or implied assurance that, if constructed or modified in accordance with those plans and specifications, the above described source of pollutants will be granted the necessary operating permits. This permit is granted subject to the following conditions attached hereto.

Ohio Environmental Protection Agency

Joseph P. Koncelik

Joseph P. Koncelik
Director
P. O. Box 1049,
122 South Front Street
Columbus, OH 43216-1049

Town of Manchester

41 Center Street • P.O. Box 191
Manchester, Connecticut 06045-0191
www.manchesterct.gov

SCOTT SHANLEY, GENERAL MANAGER

LEO V. DIANA, MAYOR
JAY MORAN, DEPUTY MAYOR
LISA P. O'NEILL, SECRETARY

DIRECTORS
STEVE GATES
SUSAN HOLMES
RUDY C. KISSMANN
CHERI A. PELLETIER
JOHN D. TOPPING
MARK D. TWEEDIE

October 17, 2013

CONNDOT Approved
TSDF Facilities/Haulers

To Whom It May Concern:

This letter is to confirm that TRC Environmental is an on-call environmental consultant for the Town of Manchester for the demolition of the properties at 295, 299 and 303 Broad Street. They have been given the authority to sign manifests, waste profile forms, land disposal restriction forms, waster characterization forms and bills of lading as Agent of the Town of Manchester.

If you have any questions, please contact me at 860-647-3067.

Sincerely,

Mark F. Carlino, P.E.
Director of Public Works

MFC: mlc

c: Jerry Dupont, Director of General Services
Bob Romejko, TRC
Steve Farrick, TRC

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

Bureau of Materials Management and Compliance Assurance
Waste Engineering and Enforcement Division

HAZARDOUS WASTE
TRANSPORTER PERMIT

CT-HW-681

PERMITTEE NAME	PERMITTEE ADDRESS	TELEPHONE NUMBER
New England Disposal Technologies, Inc.	83 Gilmore Drive Sutton, MA 01590	(508) 234-4440
EPA ID NUMBER	**EFFECTIVE DATE**	**EXPIRATION DATE**
MAC300008059	April 5, 2013	June 30, 2017

A. Authorized Waste Types:

CONNECTICUT REGULATED WASTE:
Waste PCB's, Used Oil, Waste Water Soluble Oil, Waste Chemical Liquids
HAZARDOUS WASTE (EPA WASTE NO. AS PER 40 CFR 261):
All Types of Hazardous Waste as per 40 CFR 261

B. Vehicles Permitted to Transport Waste:

The Permittee is authorized to use only those vehicles registered, as indicated on "Attachment B: Vehicle List," of The Connecticut Permit Application For Waste Transportation (Application No. 201300861). Please refer to Section E.1. for the procedures for registering additional vehicles with the DEEP.

CT-HW-681

C. Conditions of this Permit:

This Permit incorporates by reference The Connecticut Permit Application For Waste Transportation (Application No. 201300861) completed by the Permittee and received by the Bureau of Materials Management and Compliance Assurance on February 19, 2013.

This permit does not authorize the transfer of hazardous waste from one vehicle to another or from one mode of transportation to another.

1. The Permittee shall ensure that each driver employed is completely familiar with the terms and conditions of this permit prior to transporting waste in or through Connecticut. A copy of this permit shall accompany each vehicle identified in this permit whenever it is being used to transport waste authorized by this permit.

2. The transporter permit number shall be displayed on the sides and rear of each vehicle identified in this permit in letters and numbers of contrasting color and at least four inches (4") high.

3. All wastes authorized to be transported by this permit shall be transported in compliance with all applicable provisions of Title 49 of the Code of Federal Regulations.

4. Transporters who provide a pre-printed manifest to a generator/shipper/offeror of hazardous waste shall ensure that all information pre-printed is correct and clearly legible on all copies. This includes, but is not limited to: US EPA Generator ID Number, Generator Name and Mailing Address, Generator's Site Address; Emergency Response Phone; Transporter(s) US EPA ID Number and Company Name; Designated Facility US EPA ID Number, Name and Site Address; all waste information (Items 9 - 13 and item 19); Alternate facility US EPA ID Number, Name and Site Address if applicable.

   Manifest forms (EPA forms 8700-22 and 8700-22a) are designed for use with a 12 pitch font. Pre-printed

manifests using smaller font may be rejected by the Permittee as not fulfilling the legal notification requirement. Pre-printed manifests should be inspected (especially the last copy - page 6) before the driver goes out to pick up the waste shipment to ensure legibility and correctness. Equipment used to print manifests should be maintained regularly and adjusted/serviced as needed.

5. The Permittee shall not store, transfer, treat, discharge, dispose or otherwise manage waste at any site in Connecticut unless such site has written approval from the Commissioner for such activity.

6. The Permittee shall determine total halogen content in accordance with RCSA Section 22a-449(c)-119(a)(2)(Y) through (BB), incorporating 40 CFR 279.44 with specified changes. Used oil that contains more than 1,000 ppm total halogens is presumed to be a hazardous waste and shall be managed as such unless and until this presumption is rebutted as specified in RCSA Section 22a-449(c)-119(a)(2)(BB). The Permittee shall maintain a record of all testing performed in accordance with this paragraph. Records shall include the generator's name, volume of used oil accepted, date of the used oil pick-up, the total halogen concentration determined to be in the used oil, and the results of any testing to rebut the presumption that used oil containing more than 1,000 ppm total halogens is a hazardous waste.

7. The Permittee may accept "on-specification used oil fuel" from a generator and subsequently manage it as such provided the Permittee: 1) Can demonstrate that the person claiming that used oil meets the used oil fuel specifications has complied with the used oil fuel marketer notification requirements and are otherwise subject to RCSA Section 22a-449(c)-119(a)(2)(RRR) through (VVV); and 2) has obtained copies of certified laboratory analysis performed in accordance with the test methodology specified in RCSA Section 22a-449(c)-119(a)(2)(G) documenting that the used oil qualifies as an on-specification used oil fuel. In addition, the laboratory analysis shall

demonstrate that the used oil has a fuel value determined to be greater than 5000 BTU/lb utilizing ASTM Method D808-95, D2015-96, D3286-96, (as may be revised) or an alternative method approved by the Commissioner. Laboratory analysis used to document that a used oil meets the used oil specification shall be representative of the used oil being accepted by the Permittee. The Permittee shall keep copies of laboratory analysis and other information used to document that used oil meets the used oil specification for a minimum of three years from the date the Permittee accepts an on-specification used oil fuel from a generator.

8. The Permittee shall not sample used oil for the purpose of performing analysis to determine if a used oil meets the specification of RCSA Section 22a-449(c)-119(a)(2)(G), incorporating 40 CFR 279.11 with specified changes, at a location other than the site of generation of the used oil, without first obtaining a permit pursuant to Connecticut General Statute Section 22a-454(a) for such activity.

9. The Permittee shall maintain a record of all waste shipments rejected at the designated treatment, storage, or disposal facility for a minimum of three years from the date of such rejection. Such records shall include the date of rejection, the name and address of the generator(s) making up the shipment, a description of the waste rejected, the reason for the rejection and a description of the subsequent disposition of the rejected waste.

10. The Permittee shall retain documents ensuring that all drivers transporting hazardous waste are properly trained for the emergency response actions they have been delegated to engage in. Such training shall include, but is not limited to the training elements required pursuant to RCSA Section 22a-449(c)-103(d). Copies of the driver training documents shall be submitted to the DEEP upon request.

11. The Permittee shall ensure that all drivers engaged in the transportation of wastes which are hazardous materials as defined in Title 49 of the Code of Federal Regulations ("CFR") 171.8 are provided with, at a minimum, the training required pursuant to 49 CFR 172.704 and 177.816. Each vehicle identified in this permit shall be equipped, at a minimum, with the emergency equipment required pursuant to 49 CFR Part 393, Subpart H.

12. The Permittee shall ensure that employees engaged in emergency response as defined by 29 CFR subparagraph 1910.12(a)(3) are in compliance with all applicable requirements of the regulations developed by the Occupational Safety and Health Administration cited in 29 CFR.

13. The Permittee shall provide and maintain the required emergency information prescribed in 49 CFR 172, Subpart G - Emergency Response Information. When a package or container leaks in the course of transportation the Permittee shall ensure that, at a minimum, the actions required pursuant to 49 CFR 177.843 and 177.854 are complied with as applicable.

D. **Reporting and Inspection Requirements:**

1. Monthly Report Forms for each calendar month of the permit period shall be filed with the Director of the Bureau of Materials Management and Compliance Assurance/Waste Engineering and Enforcement Division of the Connecticut Department of Energy and Environmental Protection (DEEP) on or before the 10th day of the following month. Monthly Reports shall specify:

   a. all Connecticut Regulated Waste and/or unmanifested Hazardous Waste transported; or

   b. all Hazardous Waste transported was manifested; or

   c. that no waste was transported.

2. By March 1 of each year an original certificate of insurance showing policy renewal shall be submitted to the DEEP.

3. The Permittee shall ensure that periodic inspections are conducted on each vehicle identified in this permit in accordance with 49 CFR 396.17. Copies of the inspection reports shall be submitted to the DEEP upon request. For Permittees with cargo tank vehicles registered in Connecticut, the Permittee shall have each cargo tank identified in this permit inspected annually in accordance with the requirements of the Connecticut General Statutes Sections 29-322, 29-332, and 29-339, as applicable, and shall keep the issued inspection certificates with the certificate of registration for such vehicles at all times. Copies of the inspection certificates shall be submitted to the DEEP upon request.

4. The Permittee shall allow the DEEP to conduct periodic inspections to ensure permit compliance. These may include but not be limited to investigation of records, inspection and sampling of facilities and vehicles, photographs (including aerial), or other means deemed necessary for documentation of the inspection.

5. In the event of spillage or uncontrolled discharge while collecting, transferring and/or transporting any waste in or through the State of Connecticut, the DEEP Emergency Response and Spill Prevention Division shall be notified immediately by telephoning (860) 424-3338 or (860) 424-3333. In addition, the Permittee shall report Hazardous materials incidents in accordance with 49 CFR 171.15 and/or 171.16 as applicable.

6. Permittees transporting hazardous material as defined in 49 CFR 171.8 shall develop and adhere to a security plan for hazardous materials in conformance with the requirements of 49 CFR Part 172, Subpart I (Safety and Security Plans) as applicable.

E. Vehicle Registration and Waste Modifications:

1. The Permittee shall only transport authorized waste types using vehicles registered with the DEEP. Vehicles that need to be added to the permit shall be identified on a Transporter Permit Vehicle Registration Form(s) and submitted to the DEEP before using such vehicle(s). The effective date of the registration will be noted by DEEP on the registration form.

2. This permit may be modified to include additional waste types. The Permittee must submit a properly completed Application for a Waste Type Modification and the required fee to the address listed on the application.

F. Special Requirements for Permittees who act as Brokers:

1. Permittees who act as brokers and include independent owner/operators on their permit shall be responsible for ensuring:

   a. that these owner/operators are in compliance with permit conditions;

   b. that all vehicles are in compliance with all state and federal regulations;

   c. that all drivers have the proper emergency response training;

   d. that all drivers engaged in the transportation of wastes which are hazardous materials are in compliance with and familiar with all applicable requirements of Title 49 of the Code of Federal Regulations; and

   e. that these owner/operators have the required minimum levels of liability insurance.

CT-HW-681

G. **General Requirements:**

1. The Commissioner may for any reason provided by law revoke or suspend this permit.

2. Violation of any provisions of this permit may subject the Permittee to civil and/or criminal penalties as provided by Section 22a-6(b), 22a-131, 22a-131a and 22a-438 of the Connecticut General Statutes.

In compliance with all applicable provisions of the Connecticut Hazardous Waste Management Regulations and Section 22a-454 of the Connecticut General Statutes, you are hereby authorized to transport the waste types specified in this permit, only on the vehicles listed (see page 1).

Robert C. Isner, Director
Waste Engineering and Enforcement Division
Bureau of Materials Management and Compliance Assurance
Department of Energy and Environmental Protection

4-5-2013
Date

Attachment B: Vehicle List

Applicant Name: **New England Disposal Technologies, Inc. (Page 1 of 3)**

(as indicated on the *Permit Application Transmittal Form*)

Complete the table by listing all vehicles (tractors and trailers) intended to be used for the transportation of waste in or *through* the State of Connecticut.

Year	Make	Type	Color (s)	State of Reg. & License Plate Number	Capacity	Address	Owner	Vehicle ID Number	Dedicated Vehicle (Yes or No)*
2006	MACK	Straight Box	White	MA 65853	48x55 gal drums	83 Gilmore Drive, Sutton, MA	NEDT INC	1M2AG11C 96M038712	YES
2004	MACK	Straight Box	White	MA 60194	48x55 gal drums	83 Gilmore Drive, Sutton, MA	NEDT INC	1M2AG11C4 4M008157	YES
1998	MACK	Straight Vac	White	MA 41273	3300 Gallons	83 Gilmore Drive, Sutton, MA	NEDT INC	1M2P267C XWM037470	YES
2009	MACK	Vactor	White	MA 75665	3300 Gallons	83 Gilmore Drive, Sutton, MA	NEDT INC	1M2AX09C8 9M005073	YES
2005	MACK	Roll-Off Trk	White	MA 64078	30 Yards	83 Gilmore Drive, Sutton, MA	NEDT INC	1M2AG11CX 5M023330	YES
1999	MACK	Roll-Off Trk	White	MA 48374	30 Yards	83 Gilmore Drive, Sutton, MA	NEDT INC	1M2P270C 0XM041254	YES
2013	MACK	Tractor	White	MA 84651	N/A	83 Gilmore Drive, Sutton, MA	NEDT INC	1M1AN07Y3 DM011087	YES
2011	MACK	Tractor	White	MA 79964	N/A	83 Gilmore Drive, Sutton, MA	NEDT INC	1M1AN07Y 7BM007010	YES
2009	MACK	Tractor	White	MA 75283	N/A	83 Gilmore Drive, Sutton, MA	NEDT INC	1M1AN07Y9 9N004405	YES
2001	MACK	Tractor	White	MA 56490	N/A	83 Gilmore Drive, Sutton, MA	NEDT INC	1M1AA18Y 51W138763	YES

* Applies to waste carrying portion of the vehicle only. If you indicate no in this column, attach a separate sheet identifying the materials transported in that particular vehicle, and identify the vehicle by listing the state the vehicle is registered in and the vehicle license plate number.

Attachment B: Vehicle List

Applicant Name: **New England Disposal Technologies, Inc. (Page 2 of 3)**

(as indicated on the *Permit Application Transmittal Form*)

Complete the table by listing all vehicles (tractors and trailers) intended to be used for the transportation of waste in or *through* the State of Connecticut.

Year	Make	Type	Color(s)	State of Reg. & License Plate Number	Capacity	Address	Owner	Vehicle ID Number	Dedicated Vehicle* (Yes or no)
2004	CUSCO	Vac Trailer	White	MA SM78500	5500 Gallons	83 Gilmore Drive, Sutton, MA	NEDT INC	2C9T04221 4C005199	YES
2002	BENLEE	R/O Trailer	Green	MA SM76138	30 Yards	83 Gilmore Drive, Sutton, MA	NEDT INC	1G9D1492 92B180071	YES
2002	galbreath	R/O Trailer	Green	MA SM12503	30 Yards	83 Gilmore Drive, Sutton, MA	NEDT INC	1G9F1392 62A157399	YES
1999	ESPM	R/O Trailer	Green	MA SM13112	30 Yards	83 Gilmore Drive, Sutton, MA	NEDT INC	1E9RS452 9X1229008	YES
1994	Raven	Dump Trailer	Gray	MA SM78736	50 Yards	83 Gilmore Drive, Sutton, MA	NEDT INC	1RID0362 7RJ094315	YES
1994	Tibrook	Dump Trailer	Gray	MA SM77368	50 Yards	83 Gilmore Drive, Sutton, MA	NEDT INC	1T9EAAT2 XRB021293	YES
1988	Tibrook	Dump Trailer	Gray	MA SM77369	50 Yards	83 Gilmore Drive, Sutton, MA	NEDT INC	1T96SAM2 5JB021429	YES
2009	Utility	Box Trailer	White	MA SM77471	104x55 drums	83 Gilmore Drive, Sutton, MA	NEDT INC	1UYVS2533 9G166 7178	YES
2008	Utility	Box Trailer	White	MA SM10174	104x55 drums	83 Gilmore Drive, Sutton, MA	NEDT INC	1UYVS2531 8G529301	YES
2006	Utility	Box Trailer	White	MA SM83136	104x55 drums	83 Gilmore Drive, Sutton, MA	NEDT INC	1UYVS2534 6G787504	YES

* Applies to waste carrying portion of the vehicle only. If you indicate no in this column, attach a separate sheet identifying the materials transported in that particular vehicle, and identify the vehicle by listing the state the vehicle is registered in and the vehicle license plate number.

Attachment B: Vehicle List

Applicant Name: **New England Disposal Technologies, Inc. (Page 3 of 3)**

(as indicated on the *Permit Application Transmittal Form*)

Complete the table by listing all vehicles (tractors and trailers) intended to be used for the transportation of waste in or *through* the State of Connecticut.

Year	Make	Type	Color(s)	State of Reg. & License Plate Number	Capacity	Address	Owner	Vehicle ID Number	Dedicated Vehicle* (yes or no)
2006	Utility	Box Trailer	White	MA SM78274	104x55 drums	83 Gilmore Drive, Sutton, MA	NEDT INC	1UYVS253 46G920322	YES
2005	Utility	Box Trailer	White	MA SM77820	104x55 drums	83 Gilmore Drive, Sutton, MA	NEDT INC	1UYVS2538 5G592701	YES
1996	Utility	Box Trailer	White	MA SM76126	96x55 drums	83 Gilmore Drive, Sutton, MA	NEDT INC	1UYVS274 5TP968422	YES

* Applies to waste carrying portion of the vehicle only. If you indicate no in this column, attach a separate sheet identifying the materials transported in that particular vehicle, and identify the vehicle by listing the state the vehicle is registered in and the vehicle license plate number.

STATE OF MICHIGAN

DEPARTMENT OF ENVIRONMENTAL QUALITY

LANSING

RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

May 4, 2012

Mr. Michael J. Takacs
Regulatory Specialist
EQ The Environmental Quality Company
Wayne Disposal, Inc.
49350 North I-94 Service Drive
Belleville, Michigan 48111

Dear Mr. Takacs:

SUBJECT: Hazardous Waste Management Facility Expansion Operating License (License); Wayne Disposal, Inc. (WDI), Belleville, Michigan; MID 048 090 633

The Department of Environmental Quality (DEQ), Resource Management Division (RMD), has completed its review of the License application from WDI. Based on that review and the results of the public hearing held on March 12, 2012, the DEQ has issued the License to WDI pursuant to Part 111, Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The License application review and the public participation procedures were conducted in accordance with Part 111.

Enclosed are copies of the License, Response to Comments, and Notice of Final Decision. The license attachments that were previously provided with the draft License have not changed, so they can be included with this final License. If you have any questions or comments, please contact Mr. Peter Quackenbush, Hazardous Waste Section, RMD, at 517-373-7397; quackenbushp@michigan.gov; or DEQ, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,

Liane J. Shekter Smith

Liane J. Shekter Smith, P.E., Chief
Resource Management Division
517-373-9523

Enclosures
cc: Mr. Scott Maris, EQ The Environmental Quality Company
Ms. DeLores Montgomery/Mr. David Slayton, DEQ
Mr. Michael Busse, DEQ
Mr. Peter Quackenbush/Mr. Joseph Rogers, DEQ
Mr. Leo Parks, DEQ
Operating License File

State of Michigan
Department of Environmental Quality
HAZARDOUS WASTE MANAGEMENT FACILITY EXPANSION OPERATING LICENSE

NAME OF LICENSEE: Wayne Disposal, Inc.

NAME OF FACILITY OWNER: EQ – The Environmental Quality Company

NAME OF FACILITY OPERATOR: Wayne Disposal, Inc.

NAME OF TITLEHOLDER OF LAND: Wayne Disposal, Inc.

FACILITY NAME: Wayne Disposal, Inc.

FACILITY LOCATION: 49350 North I-94 Service Drive
Belleville, Michigan 48111

EPA IDENTIFICATION (ID) NUMBER: MID 048 090 633 EFFECTIVE DATE: May 4, 2012

REAPPLICATION DATE: November 5, 2021 EXPIRATION DATE: May 4, 2022

AUTHORIZED ACTIVITIES
Pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), being §§324.11101 to 324.11153 of the Michigan Compiled Laws, and the hazardous waste management administrative rules (hereafter called the "rules") promulgated thereunder, being R 299.9101 *et. seq.* of the Michigan Administrative Code, by the Department of Environmental Quality (DEQ), an operating license (hereafter called the "license") is issued to Wayne Disposal, Inc. (hereafter called the "licensee"), to operate a hazardous waste management facility (hereafter called the "facility") located at latitude 42° 13' 30" N and longitude 83° 31' 00" W. The licensee is authorized to conduct the following hazardous waste management activities:

☒ STORAGE	☐ TREATMENT	☒ DISPOSAL	☒ POSTCLOSURE
☐ Container	☐ Container	☒ Landfill	☐ Tank
☒ Tank	☐ Tank	☐ Land Application	☐ Surface Impoundment
☐ Waste Pile	☐ Surface Impoundment	☐ Surface Impoundment	☒ Landfill
☐ Surface Impoundment	☐ Incinerator		☐ Waste Pile
☐ Drip Pad	☐ Other:		

APPLICABLE REGULATIONS AND LICENSE APPROVAL
The conditions of this license were developed in accordance with the applicable provisions of the rules, effective March 17, 2008. The licensee shall comply with all terms and conditions of this license. This license consists of the 32 pages of conditions attached hereto (along with those in Attachments 1 through 16) and the applicable regulations contained in R 299.9101 through R 299.11008, as specified in the license. For purposes of compliance with this license, applicable rules are those that are in effect on the date of issuance of this license in accordance with R 299.9521(3)(a).

This license is based on the information in the license application submitted on March 4, 2011, and any subsequent amendments (hereafter referred to as "the application"). Pursuant to R 299.9519(11)(c), the license may be revoked if the licensee fails, in the application or during the license issuance process, to disclose fully all relevant facts or, at any time, misrepresents any relevant facts. As specified in R 299.9519(1), the facility shall be constructed, operated, and maintained in accordance with Part 111 of Act 451, as amended on December 22, 2010; the rules; and this license.

This license is effective on the date of issuance and shall remain in effect for 10 years from the date of issuance, unless revoked pursuant to R 299.9519 or continued in effect as provided by the Michigan Administrative Procedures Act, 1969 PA 306, as amended (Act 306). Pursuant to R 299.9516, this license shall be reviewed by the DEQ 5 years after the date of issuance and shall be modified as necessary in accordance with the provisions of R 299.9519 and R 299.9520.

Issued this 4th day of May, 2012

by _____
Liane J. Shekter Smith, P.E., Chief
Resource Management Division

Generator Waste Profile Form

DLD
Drug & Laboratory Disposal, Inc.

For DLD Use Only: IX55 DF

Profile ID: _____ Date of Notification: _____ ☐ Re-certification

Section 1 - Generator Information

Type of Generating Facility: ☐ CESQG ☒ SQG ☐ LQG ☐ Not a Hazardous Waste Generator

EPA Facility ID #: _____ WMD ID#: _____

GENERATOR INFORMATION

Company: Town of Manchester
Address: 295 Broad St.
City: Manchester
State: CT Zip: 06040
County: _____

GENERATOR CONTACT INFORMATION

Contact: _____
Title: _____
Phone: _____
Fax: _____
Email: _____

INVOICE RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Mike Robertson
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

MANIFEST RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Sandy Foster
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

Section 2 - General Description of Waste

Name of Waste: Creosote
Waste Generating Process: Collection of unused/outdated/expired raw materials
Other Identifying Information: _____

US DOT Proper Shipping Name: UN3082, Waste Environmentally hazardous
Constituents: substance, liquid, n.o.s. (creosote), 9, III

Hazard Class: _____ UN/NA: ~~RQ U051~~ PG: (RQ U051) ☐ Reportable Quantity (RQ)

ERG ID#: 171 Source Code: _____ Management Method Code: _____

Section 3 - Shipping and Container Information

Quantity of waste for disposal: (gallon, pounds, etc.) 25 gallons

Waste Generation Time Period: (month, quarter, year, etc.) once

Size of accumulation container(s): (1-gallon, 55-gallon, etc.) 1 x 55 DF

☐ Ongoing Shipment
☒ One Time Shipment

Container Contents: ☐ Solid ☒ Liquid ☐ Gas ☐ Lab Pack ☐ Loose Pack ☒ Bulk ☐ Vials

[If Lab Pack or Loose Pack, do not complete Section 6.]

Is the waste a commercial chemical product in its original labeled container? ☐ Yes ☒ No

Personal Protection Equipment Requirements (Describe): _____

Section 4 - Generator Attachments

Indicate what items are being included to supply information to treat, store, and dispose of the waste.

☐ Inventory List ☐ Material Safety Data Sheet ☐ Analytical Testing ☐ Other (list) _____

Section 5 - Characteristics of Waste

Physical Characteristics (at 70 Degrees Fahrenheit)

☐ Solid
☒ Liquid
☐ Gas
☐ Multiple Phases
- ☐ Containing Solids % Solid Range: _____
- ☒ Containing Liquids % Free Liquid Range: 100

Additional Characteristics

Color: brown Odor: smoky
Flash Point: >200°F Boiling Point: _____
pH Range: 4-6 % Halogens: _____
Density: .9 BTUs/lb: <5,000

☐ Powder
☐ Thick Liquid or Suspension
☒ Material can be pumped
☐ Material can be poured
☐ Other Describe: _____

Hazards

☐ Carcinogen
☐ Compressed Gas
☐ Corrosive
☐ Explosive
☐ Flammable
☐ Infectious
☒ Irritant
☐ Non-Hazardous
☐ Oxidizer
☐ Poison - Inhalation Hazard
☐ Pyrophoric
☐ Radioactive
☐ Reactive
☐ Shock Sensitive
☒ Toxic
☐ Water Reactive
☐ Other Hazard: _____

Section 6 - Chemical Composition of Waste

The constituent information is based on: [X] Generator Knowledge [ ] Analytical Testing [ ] Both

List all constituents present in the waste. The concentration ranges should total 100%.

Constituents	Concentration Range
Creosote oil (thinned)	100%

Section 7 - Regulatory Requirements of Waste

Check all that apply to the waste:

- [X] EPA RCRA Listed Hazardous Waste (F,K,P,U Codes)
- [ ] EPA RCRA Characteristic Waste (D001-D003)
- [ ] EPA RCRA Characteristic Toxicity Metals (D004-D011)
- [ ] EPA RCRA Characteristic Toxicity Pesticides and Herbicides (D012-D017, D020, and D031)
- [ ] EPA RCRA Characteristic Toxicity Waste (D018, D019, D021-D030, D032-D043)
- [ ] Michigan Hazardous Waste Codes Part 111 of Act 451
- [ ] Michigan Hazardous Waste Codes Part 121 of Act 451
- [ ] State Waste Codes

List applicable waste codes:

U051

- [ ] Universal Waste
- [ ] Asbestos
- [ ] Debris Debris Size: _____
- [ ] Waste Subject to RCRA Subpart CC Controls
- [ ] Empty Waste Containers (R299.9207; 40 CFR 761.79)
- [ ] Dioxins
- [ ] Class I or Class II Ozone-Depleting Substances
- [ ] Waste from CERCLA (40 CFR 300, Appendix B) or MDNRE Mandated Cleanup
- [ ] Radioactive Elements Regulated by the NRC
- [ ] PCBs regulated under 40 CFR 147; 40 CFR 761; or PCB Compounds regulated under Part 121 of Act 451

PCB Concentration (ppm): _____

Section 8 - Generator Certification

As a person knowledgable of this waste and the procedures generating it, I certify that this completed form and attachments contain true and accurate descriptions of the waste and I have included all the relevant information within my possession regarding known or suspected hazards pertaining to the waste described.

Signature _____ Date _____

Printed Name _____ Title _____

Acronyms:

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	U.S. Environmental Protection Agency
MDNRE	Michigan Department of Natural Resources and Environment
NRC	Nuclear Regulatory Commission
PCB	Polychlorinated Biphenyl
RCRA	Resource Conservation and Recovery Act of 1976, as amended
TSDF	Treatment, Storage, and Disposal Facility

For DLD Use Only:

- ☐ **Require Submittal of a Representative Waste Sample**
- ☐ **Conduct an Audit of the Generator Facility**
- ☐ **Review Industry Literature to Identify Typical Waste Streams**
- ☐ **Other (Describe):** _____

Generator Waste Profile Form

DLD
Drug & Laboratory Disposal, Inc.

1x5 DF

For DLD Use Only:
Profile ID: _____ Date of Notification: _____ ☐ Re-certification

Section 1 - Generator Information

Type of Generating Facility: ☐ CESQG ☒ SQG ☐ LQG ☐ Not a Hazardous Waste Generator

EPA Facility ID #: _____ WMD ID#: _____

GENERATOR INFORMATION

Company: Town of Manchester
Address: 295 Broad St.
City: Manchester
State: CT Zip: 06040
County: _____

GENERATOR CONTACT INFORMATION

Contact: _____
Title: _____
Phone: _____
Fax: _____
Email: _____

INVOICE RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Mike Robertson
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

MANIFEST RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Sandy Foster
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

Section 2 - General Description of Waste

Name of Waste: Acidic Aluminum Conditioner Sol'n
Waste Generating Process: Collection of unused/outdated/expired raw materials
Other Identifying Information: (Chromic acid, nitric acid)
US DOT Proper Shipping Name: UN2922 Waste Corrosive liquid toxic, n.o.s.
Constituents: (Chromic acid), 8, (6.1), P.G. II

Hazard Class: _____ UN/NA: _____ PG: _____ ☐ Reportable Quantity (RQ)

ERG ID#: 132 Source Code: _____ Management Method Code: _____

Section 3 - Shipping and Container Information

Quantity of waste for disposal: (gallon, pounds, etc.) 2 gallons

Waste Generation Time Period: (month, quarter, year, etc.) once

Size of accumulation container(s): (1-gallon, 55-gallon, etc.) 1x5

☐ Ongoing Shipment
☐ One Time Shipment

Container Contents: ☐ Solid ☐ Liquid ☐ Gas ☐ Lab Pack ☒ Loose Pack ☐ Bulk ☐ Vials

[If Lab Pack or Loose Pack, do not complete Section 6.]

Is the waste a commercial chemical product in its original labeled container? ☒ Yes ☐ No

Personal Protection Equipment Requirements (Describe): _____

Section 4 - Generator Attachments

Indicate what items are being included to supply information to treat, store, and dispose of the waste.

☒ Inventory List ☐ Material Safety Data Sheet ☐ Analytical Testing ☐ Other (list) _____

Section 5 - Characteristics of Waste

Physical Characteristics (at 70 Degrees Fahrenheit)

☐ Solid
☒ Liquid
☐ Gas
☐ Multiple Phases
- ☐ Containing Solids % Solid Range: _____
- ☒ Containing Liquids % Free Liquid Range: 100

Additional Characteristics

Color: blue Odor: acid

Flash Point: >200F Boiling Point: _____

pH Range: 1-2 % Halogens: _____

Density: 1.1-1.3 BTUs/lb: _____

☐ Powder
☐ Thick Liquid or Suspension
☐ Material can be pumped
☒ Material can be poured
☐ Other Describe: _____

Hazards

☒ Carcinogen
☐ Compressed Gas
☒ Corrosive
☐ Explosive
☐ Flammable
☐ Infectious
☐ Irritant
☐ Non-Hazardous
☐ Oxidizer
☐ Poison - Inhalation Hazard
☐ Pyrophoric
☐ Radioactive
☐ Reactive
☐ Shock Sensitive
☒ Toxic
☐ Water Reactive
☐ Other Hazard: _____

Section 6 - Chemical Composition of Waste

The constituent information is based on: ☒ Generator Knowledge ☐ Analytical Testing ☐ Both

List all constituents present in the waste. The concentration ranges should total 100%.

Constituents	Concentration Range
Water	70-80%
Chromic acid	10-15
Potassium ferricyanide	5-10
Nitric acid	5-10
Ammonium bifluoride	<5

Section 7 - Regulatory Requirements of Waste

Check all that apply to the waste:

- ☐ EPA RCRA Listed Hazardous Waste (F,K,P,U Codes)
- ☒ EPA RCRA Characteristic Waste (D001-D003)
- ☒ EPA RCRA Characteristic Toxicity Metals (D004-D011)
- ☐ EPA RCRA Characteristic Toxicity Pesticides and Herbicides (D012-D017, D020, and D031)
- ☐ EPA RCRA Characteristic Toxicity Waste (D018, D019, D021-D030, D032-D043)
- ☐ Michigan Hazardous Waste Codes Part 111 of Act 451
- ☐ Michigan Hazardous Waste Codes Part 121 of Act 451
- ☐ State Waste Codes

List applicable waste codes:

D002
D007

- ☐ Universal Waste
- ☐ Asbestos
- ☐ Debris Debris Size: _____
- ☐ Waste Subject to RCRA Subpart CC Controls
- ☐ Empty Waste Containers (R299.9207; 40 CFR 761.79)
- ☐ Dioxins
- ☐ Class I or Class II Ozone-Depleting Substances
- ☐ Waste from CERCLA (40 CFR 300, Appendix B) or MDNRE Mandated Cleanup
- ☐ Radioactive Elements Regulated by the NRC
- ☐ PCBs regulated under 40 CFR 147; 40 CFR 761; or PCB Compounds regulated under Part 121 of Act 451

PCB Concentration (ppm): _____

Section 8 - Generator Certification

As a person knowledgable of this waste and the procedures generating it, I certify that this completed form and attachments contain true and accurate descriptions of the waste and I have included all the relevant information within my possession regarding known or suspected hazards pertaining to the waste described.

Signature _____ Date _____

Printed Name _____ Title _____

Acronyms:

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	U.S. Environmental Protection Agency
MDNRE	Michigan Department of Natural Resources and Environment
NRC	Nuclear Regulatory Commission
PCB	Polychlorinated Biphenyl
RCRA	Resource Conservation and Recovery Act of 1976, as amended
TSDF	Treatment, Storage, and Disposal Facility

For DLD Use Only:

- ☐ Require Submittal of a Representative Waste Sample
- ☐ Conduct an Audit of the Generator Facility
- ☐ Review Industry Literature to Identify Typical Waste Streams
- ☐ Other (Describe): _____

Generator Waste Profile Form

DLD
Drug & Laboratory Disposal, Inc.

1X5 DF

For DLD Use Only:
Profile ID: _____ Date of Notification: _____ ☐ Re-certification

Section 1 - Generator Information

Type of Generating Facility: ☐ CESQG ☒ SQG ☐ LQG ☐ Not a Hazardous Waste Generator

EPA Facility ID #: _____ WMD ID#: _____

GENERATOR INFORMATION

Company: Town of Manchester
Address: 295 Broad St.
City: Manchester
State: CT Zip: 06040
County: _____

GENERATOR CONTACT INFORMATION

Contact: _____
Title: _____
Phone: _____
Fax: _____
Email: _____

INVOICE RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Mike Robertson
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

MANIFEST RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Sandy Foster
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

Section 2 - General Description of Waste

Name of Waste: Glacial acetic acid/Flam. Acid Loosepack
Waste Generating Process: Collection of unused/outdated/expired raw materials
Other Identifying Information: (methanol, phosphoric acid)
US DOT Proper Shipping Name: UN2920, Waste Corrosive liquids flammable,
Constituents: N.O.S. (acetic acid), 8, (3), PG II

Hazard Class: _____ UN/NA: _____ PG: _____ ☐ Reportable Quantity (RQ)

ERG ID#: 132 Source Code: _____ Management Method Code: _____

Section 3 - Shipping and Container Information

Quantity of waste for disposal: (gallon, pounds, etc.) 12 lbs

Waste Generation Time Period: (month, quarter, year, etc.) once

Size of accumulation container(s): (1-gallon, 55-gallon, etc.) 1X5

☐ Ongoing Shipment
☒ One Time Shipment

Container Contents: ☐ Solid ☐ Liquid ☐ Gas ☐ Lab Pack ☒ Loose Pack ☐ Bulk ☐ Vials

[If Lab Pack or Loose Pack, do not complete Section 6.]

Is the waste a commercial chemical product in its original labeled container? ☒ Yes ☐ No

Personal Protection Equipment Requirements (Describe): _____

Section 4 - Generator Attachments

Indicate what items are being included to supply information to treat, store, and dispose of the waste.

☒ Inventory List ☐ Material Safety Data Sheet ☐ Analytical Testing ☐ Other (list) _____

Section 5 - Characteristics of Waste

Physical Characteristics (at 70 Degrees Fahrenheit)

☐ Solid
☒ Liquid
☐ Gas
☐ Multiple Phases
  ☐ Containing Solids % Solid Range: _____
  ☒ Containing Liquids % Free Liquid Range: 100

Additional Characteristics

Color: varied Odor: solvent
Flash Point: <70°F Boiling Point: _____
pH Range: 1-2 % Halogens: _____
Density: 1.2 BTUs/lb: <15,000

☐ Powder
☐ Thick Liquid or Suspension
☐ Material can be pumped
☐ Material can be poured
☐ Other Describe: _____

Hazards

☐ Carcinogen
☐ Compressed Gas
☒ Corrosive
☐ Explosive
☒ Flammable
☐ Infectious
☐ Irritant
☐ Non-Hazardous
☐ Oxidizer
☐ Poison - Inhalation Hazard
☐ Pyrophoric
☐ Radioactive
☐ Reactive
☐ Shock Sensitive
☐ Toxic
☐ Water Reactive
☐ Other Hazard: _____

Section 6 - Chemical Composition of Waste

The constituent information is based on: [X] Generator Knowledge [ ] Analytical Testing [ ] Both

List all constituents present in the waste. The concentration ranges should total 100%.

Constituents	Concentration Range
Glacial acetic acid	20-30
Acetic acid	✓
Methanol (constituent)	✓
Phosphoric acid	✓
Glass/plastic bottles/jars packed in vermiculite	20-30

Section 7 - Regulatory Requirements of Waste

Check all that apply to the waste:

- [ ] EPA RCRA Listed Hazardous Waste (F,K,P,U Codes)
- [X] EPA RCRA Characteristic Waste (D001-D003)
- [ ] EPA RCRA Characteristic Toxicity Metals (D004-D011)
- [ ] EPA RCRA Characteristic Toxicity Pesticides and Herbicides (D012-D017, D020, and D031)
- [ ] EPA RCRA Characteristic Toxicity Waste (D018, D019, D021-D030, D032-D043)
- [ ] Michigan Hazardous Waste Codes Part 111 of Act 451
- [ ] Michigan Hazardous Waste Codes Part 121 of Act 451
- [ ] State Waste Codes

List applicable waste codes:

D001, D002

- [ ] Universal Waste
- [ ] Asbestos
- [ ] Debris Debris Size: _____
- [ ] Waste Subject to RCRA Subpart CC Controls
- [ ] Empty Waste Containers (R299.9207; 40 CFR 761.79)
- [ ] Dioxins
- [ ] Class I or Class II Ozone-Depleting Substances
- [ ] Waste from CERCLA (40 CFR 300, Appendix B) or MDNRE Mandated Cleanup
- [ ] Radioactive Elements Regulated by the NRC
- [ ] PCBs regulated under 40 CFR 147; 40 CFR 761; or PCB Compounds regulated under Part 121 of Act 451

PCB Concentration (ppm): _____

Section 8 - Generator Certification

As a person knowledgable of this waste and the procedures generating it, I certify that this completed form and attachments contain true and accurate descriptions of the waste and I have included all the relevant information within my possession regarding known or suspected hazards pertaining to the waste described.

Signature _____ Date _____

Printed Name _____ Title _____

Acronyms:

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	U.S. Environmental Protection Agency
MDNRE	Michigan Department of Natural Resources and Environment
NRC	Nuclear Regulatory Commission
PCB	Polychlorinated Biphenyl
RCRA	Resource Conservation and Recovery Act of 1976, as amended
TSDF	Treatment, Storage, and Disposal Facility

For DLD Use Only:

- ☐ **Require Submittal of a Representative Waste Sample**
- ☐ **Conduct an Audit of the Generator Facility**
- ☐ **Review Industry Literature to Identify Typical Waste Streams**
- ☐ **Other (Describe):** _____

Generator Waste Profile Form

DLD
Drug & Laboratory Disposal, Inc.

2x85 DM

For DLD Use Only:
Profile ID: _____ Date of Notification: _____ ☐ Re-certification

Section 1 - Generator Information

Type of Generating Facility: ☐ CESQG ☒ SQG ☐ LQG ☐ Not a Hazardous Waste Generator

EPA Facility ID #: _____ WMD ID#: _____

GENERATOR INFORMATION

Company: Town of Manchester
Address: 295 Broad St.
City: Manchester
State: CT Zip: 06040
County: _____

GENERATOR CONTACT INFORMATION

Contact: _____
Title: _____
Phone: _____
Fax: _____
Email: _____

INVOICE RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Mike Robertson
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

MANIFEST RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Sandy Foster
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

Section 2 - General Description of Waste

Name of Waste: Spent Methylene Chloride sludge
Waste Generating Process: Collection of unused/outdated/expired raw materials
Other Identifying Information: Removal of paint
US DOT Proper Shipping Name: UN3082 ~~##~~ Hazardous waste liquid n.o.s
Constituents: (methylene chloride), 9, PG III DOT ERG#171

Hazard Class: _____ UN/NA: _____ PG: _____ ☐ Reportable Quantity (RQ)

ERG ID#: _____ Source Code: _____ Management Method Code: _____

Section 3 - Shipping and Container Information

Quantity of waste for disposal: (gallon, pounds, etc.) 2x85 overpacks

Waste Generation Time Period: (month, quarter, year, etc.) for 2x55@

Size of accumulation container(s): (1-gallon, 55-gallon, etc.) 400# ea.

☐ Ongoing Shipment
☒ One Time Shipment

Container Contents: ☒ Solid ☒ Liquid ☐ Gas ☐ Lab Pack ☐ Loose Pack ☒ Bulk ☐ Vials

[If Lab Pack or Loose Pack, do not complete Section 6.]

Is the waste a commercial chemical product in its original labeled container? ☒ Yes ☐ No

Personal Protection Equipment Requirements (Describe): _____

Section 4 - Generator Attachments

Indicate what items are being included to supply information to treat, store, and dispose of the waste.

☐ Inventory List ☐ Material Safety Data Sheet ☐ Analytical Testing ☐ Other (list) _____

Section 5 - Characteristics of Waste

Physical Characteristics (at 70 Degrees Fahrenheit)

☒ Solid
☒ Liquid
☐ Gas
☒ Multiple Phases
- ☒ Containing Solids % Solid Range: 50
- ☒ Containing Liquids % Free Liquid Range: 50

Additional Characteristics

Color: black Odor: halogenated

Flash Point: >200°F Boiling Point: _____

pH Range: 4-10 % Halogens: 50%

Density: 1.2-1.3 BTUs/lb: <5,000

☐ Powder
☐ Thick Liquid or Suspension
☐ Material can be pumped
☐ Material can be poured
☒ Other Describe: sludge (non-pourable)

Hazards

☒ Carcinogen
☐ Compressed Gas
☐ Corrosive
☐ Explosive
☐ Flammable
☐ Infectious
☒ Irritant
☐ Non-Hazardous
☐ Oxidizer
☐ Poison - Inhalation Hazard
☐ Pyrophoric
☐ Radioactive
☐ Reactive
☐ Shock Sensitive
☒ Toxic
☐ Water Reactive
☐ Other Hazard: _____

Section 6 - Chemical Composition of Waste

The constituent information is based on: ☒ Generator Knowledge ☐ Analytical Testing ☐ Both

List all constituents present in the waste. The concentration ranges should total 100%.

Constituents	Concentration Range
Methylene chloride (spent)	65-85
Dissolved paints	10-20
(100% sludgey material)	

Section 7 - Regulatory Requirements of Waste

Check all that apply to the waste:

- ☒ EPA RCRA Listed Hazardous Waste (F,K,P,U Codes)
- ☐ EPA RCRA Characteristic Waste (D001-D003)
- ☐ EPA RCRA Characteristic Toxicity Metals (D004-D011)
- ☐ EPA RCRA Characteristic Toxicity Pesticides and Herbicides (D012-D017, D020, and D031)
- ☐ EPA RCRA Characteristic Toxicity Waste (D018, D019, D021-D030, D032-D043)
- ☐ Michigan Hazardous Waste Codes Part 111 of Act 451
- ☐ Michigan Hazardous Waste Codes Part 121 of Act 451
- ☐ State Waste Codes

List applicable waste codes:

F002

- ☐ Universal Waste
- ☐ Asbestos
- ☐ Debris Debris Size: _____
- ☐ Waste Subject to RCRA Subpart CC Controls
- ☐ Empty Waste Containers (R299.9207; 40 CFR 761.79)
- ☐ Dioxins
- ☐ Class I or Class II Ozone-Depleting Substances
- ☐ Waste from CERCLA (40 CFR 300, Appendix B) or MDNRE Mandated Cleanup
- ☐ Radioactive Elements Regulated by the NRC
- ☐ PCBs regulated under 40 CFR 147; 40 CFR 761; or PCB Compounds regulated under Part 121 of Act 451

PCB Concentration (ppm): _____

Section 8 - Generator Certification

As a person knowledgable of this waste and the procedures generating it, I certify that this completed form and attachments contain true and accurate descriptions of the waste and I have included all the relevant information within my possession regarding known or suspected hazards pertaining to the waste described.

Signature _____ Date _____

Printed Name _____ Title _____

Acronyms:

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	U.S. Environmental Protection Agency
MDNRE	Michigan Department of Natural Resources and Environment
NRC	Nuclear Regulatory Commission
PCB	Polychlorinated Biphenyl
RCRA	Resource Conservation and Recovery Act of 1976, as amended
TSDF	Treatment, Storage, and Disposal Facility

For DLD Use Only:

- ☐ **Require Submittal of a Representative Waste Sample**
- ☐ **Conduct an Audit of the Generator Facility**
- ☐ **Review Industry Literature to Identify Typical Waste Streams**
- ☐ **Other (Describe):** _____

Generator Waste Profile Form

DLD
Drug & Laboratory Disposal, Inc.

2xCYB

For DLD Use Only:

Profile ID: _____ Date of Notification: _____ ☐ Not Approved

Section 1 - Generator Information

Type of Generating Facility: ☐ CESQG ☒ SQG ☐ LQG ☐ Not a Hazardous Waste Generator

EPA Facility ID #: _____ WMD ID#: _____

GENERATOR INFORMATION

Company: Town of Manchester
Address: 295 Broad St.
City: Manchester
State: CT Zip: 06040
County: _____

GENERATOR CONTACT INFORMATION

Contact: _____
Title: _____
Phone: _____
Fax: _____
Email: _____

INVOICE RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Mike Robertson
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

MANIFEST RECIPIENT INFORMATION

Company: New England Disposal Technologies, Inc.
Contact: Sandy Foster
Phone: 508-234-4440
Address: 83 Gilmore Drive
City: Sutton
State: MA Zip: 01590

Section 2 - General Description of Waste

Name of Waste: Oil Based Paints in Cans/Pails (non leaking)
Waste Generating Process: Collection of unused/outdated/expired raw materials
Other Identifying Information: acetone, ethyl acetate
US DOT Proper Shipping Name: UN1263 Waste Paint Related Material,
Constituents: 3, P.G. II (RQ D001) DOT ERG # 128

Hazard Class: _____ UN/NA: _____ PG: _____ ☐ Reportable Quantity (RQ)

ERG ID#: _____ Source Code: _____ Management Method Code: _____

Section 3 - Shipping and Container Information

Quantity of waste for disposal: (gallon, pounds, etc.) 2x cu yd boxes @
Waste Generation Time Period: (month, quarter, year, etc.) 600 lbs. ea.
Size of accumulation container(s): (1-gallon, 55-gallon, etc.)

☐ Ongoing Shipment
☒ One Time Shipment

Container Contents: ☒ Solid ☒ Liquid ☐ Gas ☐ Lab Pack ☒ Loose Pack ☐ Bulk ☐ Vials

[If Lab Pack or Loose Pack, do not complete Section 6.]

Is the waste a commercial chemical product in its original labeled container? ☒ Yes ☐ No

Personal Protection Equipment Requirements (Describe):

Section 4 - Generator Attachments

Indicate what items are being included to supply information to treat, store, and dispose of the waste.

☐ Inventory List ☐ Material Safety Data Sheet ☐ Analytical Testing ☐ Other (list)

Section 5 - Characteristics of Waste

Physical Characteristics (at 70 Degrees Fahrenheit)

☒ Solid
☒ Liquid
☐ Gas
☒ Multiple Phases
- ☒ Containing Solids — % Solid Range: 50
- ☒ Containing Liquids — % Free Liquid Range: 50

Additional Characteristics

Color: Varied Odor: Solvent
Flash Point: <95°F Boiling Point:
pH Range: 6-8 % Halogens: <1%
Density: .8-.9 BTUs/lb: 20,000

☐ Powder
☐ Thick Liquid or Suspension
☐ Material can be pumped
☐ Material can be poured
☐ Other Describe:

Hazards

☐ Carcinogen
☐ Compressed Gas
☐ Corrosive
☐ Explosive
☒ Flammable
☐ Infectious
☐ Irritant
☐ Non-Hazardous
☐ Oxidizer
☐ Poison - Inhalation Hazard
☐ Pyrophoric
☐ Radioactive
☐ Reactive
☐ Shock Sensitive
☐ Toxic
☐ Water Reactive
☐ Other Hazard:

Section 6 - Chemical Composition of Waste

The constituent information is based on: [X] Generator Knowledge [ ] Analytical Testing [ ] Both

List all constituents present in the waste. The concentration ranges should total 100%.

Constituents	Concentration Range
Petroleum distillate based paints in cans (non-leaking) packed in 2x cubic yard boxes.	100%
Constituents: Pet. Dist.	20-30
Alkyd resin	10-20
Pigments	10-20
Acetone/ethyl acetate/MEK	20-30

Section 7 - Regulatory Requirements of Waste

Check all that apply to the waste: **List applicable waste codes:**

- [ ] EPA RCRA Listed Hazardous Waste (F,K,P,U Codes)
- [X] EPA RCRA Characteristic Waste (D001-D003) — D001
- [ ] EPA RCRA Characteristic Toxicity Metals (D004-D011)
- [ ] EPA RCRA Characteristic Toxicity Pesticides and Herbicides (D012-D017, D020, and D031)
- [X] EPA RCRA Characteristic Toxicity Waste (D018, D019, D021-D030, D032-D043) — D035
- [ ] Michigan Hazardous Waste Codes Part 111 of Act 451
- [ ] Michigan Hazardous Waste Codes Part 121 of Act 451
- [ ] State Waste Codes

- [ ] Universal Waste
- [ ] Asbestos
- [ ] Debris Debris Size: _____
- [ ] Waste Subject to RCRA Subpart CC Controls
- [ ] Empty Waste Containers (R299.9207; 40 CFR 761.79)
- [ ] Dioxins

- [ ] Class I or Class II Ozone-Depleting Substances
- [ ] Waste from CERCLA (40 CFR 300, Appendix B) or MDNRE Mandated Cleanup
- [ ] Radioactive Elements Regulated by the NRC
- [ ] PCBs regulated under 40 CFR 147; 40 CFR 761; or PCB Compounds regulated under Part 121 of Act 451

PCB Concentration (ppm): _____

Section 8 - Generator Certification

As a person knowledgable of this waste and the procedures generating it, I certify that this completed form and attachments contain true and accurate descriptions of the waste and I have included all the relevant information within my possession regarding known or suspected hazards pertaining to the waste described.

Signature _____ Date _____

Printed Name _____ Title _____

Acronyms:

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	U.S. Environmental Protection Agency
MDNRE	Michigan Department of Natural Resources and Environment
NRC	Nuclear Regulatory Commission
PCB	Polychlorinated Biphenyl
RCRA	Resource Conservation and Recovery Act of 1976, as amended
TSDF	Treatment, Storage, and Disposal Facility

For EMD Use Only

- ☐ Require Submittal of a Representative Waste Sample
- ☐ Conduct an Audit of the Generator Facility
- ☐ Review Industry Literature to Identify Typical Waste Streams
- ☐ Other (Describe): _____

2x55

WASTE CHARACTERIZATION REPORT

Tracking #_____

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☒ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MI0 000 263 871 EPA ID # MI0 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MI0 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: PCB Light Ballasts

Section 1 – Generator & Customer Information

SIC/NAICS* _____

Generator EPA ID # _____

Generator Town of Manchester

Facility Address 295 Broad St

City Manchester State CT Zip 06040

County _____

Mailing Address 41 Center Street

City Manchester State CT Zip 06045

Generator Contact _____

Title _____

Phone _____ Fax _____

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 2576

Invoicing Company New England Disposal Technologies

Address 83 Gilmore Drive

City Sutton State MA Zip 01590

Country USA

Invoicing Contact Michael Robertson

Phone 508/234-4440 Fax 508/234-4441

Technical Contact Brian Bodemer

Phone _____ Fax _____

Mobile _____ Pager _____

E-mail _____

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency 2x55

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name RQ Polychlorinated Biphenyls 9 UN 3432 PG.III (Liquid in solid capacitors)

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging (check all that apply)

☐ Bulk Solid (Yd³ < 2000 lbs/yd³)

☐ Bulk Solid (Ton >2000 lbs/yd³)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☒ Drums

☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

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Section 3 – Physical Characteristics

3.1) Color black 3.2) Odor NONE

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☒ Solid ☐ Dust/Powder ☐ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

3.7) Does this waste contain? (check all that apply) ☒ None ☐ Free Liquids ☐ Oily Residue ☐ Metal Fines ☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard ☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates ☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Light Ballasts _____ to 100 %

_____ to _____ %

_____ to _____ %

_____ to _____ %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Removal of Fluorescent Lighting

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes ☒ No

5.3) Do any State Waste Codes apply? ☒ Yes ☐ No PCBS, MA02

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

*If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.*

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☒ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☒ Yes ☐ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Based On: ☒ Generator Knowledge ☐ Analysis* ☐ MSDS* *Please attach a copy.

Code		Regulatory Level TCLP (mg/l)	Concentration (If above)
D004	Arsenic	5	☒ Below ☐ Above_____
D005	Barium	100	☒ Below ☐ Above_____
D006	Cadmium	1	☒ Below ☐ Above_____
D007	Chromium	5	☒ Below ☐ Above_____
D008	Lead	5	☒ Below ☐ Above_____
D009	Mercury	0.2	☒ Below ☐ Above_____
D010	Selenium	1	☒ Below ☐ Above_____
D011	Silver	5	☒ Below ☐ Above_____
D012	Endrin	0.02	☒ Below ☐ Above_____
D013	Lindane	0.4	☒ Below ☐ Above_____
D014	Methoxychlor	10	☒ Below ☐ Above_____
D015	Toxaphene	0.5	☒ Below ☐ Above_____
D016	2,4-D	10	☒ Below ☐ Above_____
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above_____
D018	Benzene	0.5	☒ Below ☐ Above_____
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above_____
D020	Chlordane	0.03	☒ Below ☐ Above_____
D021	Chlorobenzene	100	☒ Below ☐ Above_____
D022	Chloroform	6.0	☒ Below ☐ Above_____
D023	o-Cresol	200	☒ Below ☐ Above_____

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D024	m-Cresol	200	☒ Below ☐ Above_____
D025	p-Cresol	200	☒ Below ☐ Above_____
D026	Cresols	200	☒ Below ☐ Above_____
D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above_____
D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above_____
D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above_____
D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above_____
D031	Heptachlor	0.008	☒ Below ☐ Above_____
D032	Hexachlorobenzene	0.13	☒ Below ☐ Above_____
D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above_____
D034	Hexachloroethane	3.0	☒ Below ☐ Above_____
D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above_____
D036	Nitrobenzene	2	☒ Below ☐ Above_____
D037	Pentachlorophenol	100	☒ Below ☐ Above_____
D038	Pyridine	5	☒ Below ☐ Above_____
D039	Tetrachloroethylene	0.7	☒ Below ☐ Above_____
D040	Trichloroethylene	0.5	☒ Below ☐ Above_____
D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above_____
D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above_____
D043	Vinyl Chloride	0.2	☒ Below ☐ Above_____

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

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Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code: _____

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☐ None ☐ 0-5 ppm ☐ 6-49 ppm ☒ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☒ Yes ☐ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No
If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☒ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? _____ Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?		Constituent	Concentration	UHC?	
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

→ Generator Signature _____ Printed Name _____

→ Company _____ Title _____ Date _____

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

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11x55

WASTE CHARACTERIZATION REPORT

Tracking #_____

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☒ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MI0 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MI0 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MI0 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Spent crankcase oil with trace solvents

Section 1 – Generator & Customer Information

SIC/NAICS* _____

Generator EPA ID # _____

Generator Town of Manchester

Facility Address 295 Broad St.

City Manchester State CT Zip 06040

County _____

Mailing Address 41 Center St.

City Manchester State CT Zip 06045

Generator Contact _____

Title _____

Phone _____ Fax _____

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 2576

Invoicing Company New England Disposal Technologies

Address 83 Gilmore Drive

City Sutton State MA Zip 01590

Country USA

Invoicing Contact Michael Robertson

Phone 508/234-4440 Fax 508/234-4441

Technical Contact Brian Bodemer

Phone _____ Fax _____

Mobile _____ Pager _____

E-mail _____

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency 11x55

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name NA3082, Hazardous waste liquid, N.O.S. (benzene)

2.3) Is this waste surcharge exempt? _____
If yes, please attach a surcharge exemption form found in Section 2 of the EQ Resource Guide

2.4) Packaging (check all that apply)

☐ Bulk Solid (Yd³ < 2000 lbs/yd³)
☐ Bulk Solid (Ton >2000 lbs/yd³)
☐ Bulk Liquids (Gallon)
☐ Totes, Size _____
☐ Cubic Yard Boxes/Bags
☒ Drums
☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 – Physical Characteristics

3.1) Color brown/tan/~~green~~ 3.2) Odor petroleum

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

3.7) Does this waste contain? (check all that apply) ☐ None ☒ Free Liquids ☒ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

~~[illegible]~~ Crankcase oil 94 to 95 % ~~Machine oil/grease~~ Water 5 to 10 %

~~Soluble cutting oil~~ ~~[illegible]~~ to ~~[illegible]~~ % Trace halogenated + non halogenated solvents 0 to <1 %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Spent oil/~~[illegible]~~ mixtures from normal ~~automotive~~ operations in ~~[illegible]~~ shop. Oil is contaminated with trace solvents. (See analytical)

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules:			Please list applicable waste code(s):
5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☒ Yes	☐ No	F002
5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)?	☒ Yes	☐ No	D018, D008
5.3) Do any State Waste Codes apply?	☐ Yes	☒ No	~~[illegible]~~
5.4) Is this waste intended for wastewater treatment?	☐ Yes*	☒ No	

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☒ Yes ☐ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☒ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Based On: ☒ Generator Knowledge ☐ Analysis* ☐ MSDS* *Please attach a copy.

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☐ Below ☒ Above ≥5ppm	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☐ Below ☒ Above ≥.5ppm	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☐ Below ☒ Above ≥.7ppm
D020	Chlordane	0.03	☐ Below ☐ Above	D040	Trichloroethylene	0.5	☐ Below ☒ Above ≥.5ppm
D021	Chlorobenzene	100	☐ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☐ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code: [illegible]

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☒ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No
If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☒ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☒ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☒ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☒ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☒ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☒ Yes ☒ No
9.6) What is the TAB quantity for your facility? _____ Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☒ No
9.8) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?		Constituent	Concentration	UHC?	
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

→ Generator Signature _____ Printed Name _____

→ Company _____ Title _____ Date _____

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

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Land Disposal Restriction & Certification Form

Please check the appropriate facility:

☐ Michigan Disposal Waste Treatment Plant	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 000 724 831
☐ Wayne Disposal, Inc. Site #2 Landfill	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 048 090 633
☒ EQ Detroit, Inc.	1923 Frederick Street, Detroit, MI 48211	EPA ID # MID 980 991 566
☐ EQ Resource Recovery, Inc.	36345 Van Born Road, Romulus, MI 48174	EPA ID # MID 060 975 844
☐ EQ North Carolina	1005 Investment Blvd, Apex, NC 27502	EPA ID # NCD 982 170 292
☐ EQ Florida, Inc.	7202 East 8th Ave, Tampa, FL 33619	EPA ID # FLD 981 932 494

Generator Name: Town of Manchester U.S. EPA ID No.:

Generator Address: 295 Broad St., Manchester, CT 06040

State Manifest No.: Manifest Doc. No.:

Instructions

Column 1: Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.
Column 2: Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
Column 3: Enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) – soil, or 268.45 – debris.
Column 4: Enter the letter of the appropriate paragraph from pages 1-2 of this form.
Column 5: For F001 – F005, F039, D001 – D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment. The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soil and Debris wastes.
11A	~~[illegible]~~ ~~[illegible]~~	NWW	~~[illegible]~~ ~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
11B	D008, D018 F002	↓	Lead >5ppm Benzene >.5ppm	A	
11C			TCE >.5ppm PCE >.7ppm		
11D					

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: Title:

Printed Name: Date:

How Must the Waste Be Managed?

S THIS CONTAMINATED SOIL *DOES / DOES NOT* (CIRCLE ONE) CONTAIN LISTED HAZARDOUS WASTE AND *DOES / DOES NOT* (CIRCLE ONE) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND *IS SUBJECT TO / COMPLIES WITH* (CIRCLE ONE) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

1X30DF

WASTE CHARACTERIZATION REPORT

Tracking #_____

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate facility and method of waste management from the technologies offered at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & PCB Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☒ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Ohio (Envirite of Ohio)** (Stabilization and Treatment)	2050 Central Avenue, SE, Canton, OH 44707 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # OHD 980 568 992
☐ **EQ Pennsylvania (Envirite of Pennsylvania)** (Stabilization and Treatment)	730 Vogelsong Road, York,PA 17404 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # PAD 010 154 045
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Universal Waste Handling)	2000 Ferry Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-922-8419	EPA ID # MIK 939 928 313
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # IND 161 049 309
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # GAR 000 039 776
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Please note, this profile should not be used for wastes destined to EQ Illinois (Envirite of Illinois). For more information, please contact our National Service Center at (800)592-5489.

Waste Common Name: Water/Pet. Dist./Oil mix

Section 1 – Generator & Customer Information

SIC/NAICS* _____

Generator EPA ID # _____

Generator Town of Manchester

Facility Address 295 Broad St.

City Manchester State CT Zip 06040

County _____

Mailing Address 41 Center St.

City Manchester State CT Zip 06045

Generator Contact _____

Title _____

Phone _____ Fax _____

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 2576

Invoicing Company N.E.D.T., Inc.

Address 83 Gilmore Dr.

City Sutton State MA Zip 01590

Country _____

Invoicing Contact M. Robertson

Phone 508-234-4440 Fax 508-234-4441

Technical Contact Brian/Sandy Foster

Phone 508-234-4440 Fax 508-234-4441

Mobile _____ Pager _____

E-mail _____

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency 1X30 DF

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name NA1993 Combustible liquid, n.o.s. (pet. distillates), Comb. Liq. PG-III

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging (check all that apply)

☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)

☐ Bulk Solid (Ton >2000 lbs/yd^3)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☒ Drums, Size 30 gal

☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

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Section 3 – Physical Characteristics

3.1) Color brown 3.2) Odor solvent

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☒ 140-199°F ☐ >200°F

3.7) Does this waste contain? (check all that apply) ☐ None ☒ Free Liquids ☒ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Water Reactive ☐ Biohazard ☐ Aluminum

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable ☐ Dioxins ☐ Furans

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Water	60 to 80 %	Mineral Spirits	0 to 10 %
Petroleum distillates	10 to 20 %	Petroleum oil	10 to 20 %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Collection of spent automotive repair/maintenance fluids from normal shop activities.

Section 5 – Is This Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes ☒ No

5.3) Do any State Hazardous Waste Codes apply? ☒ Yes ☐ No 021L, CR02

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

*If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.*

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☐ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☐ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☐ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Based On: ☒ Generator Knowledge ☐ Analysis* ☐ MSDS*

***Please attach a copy. Analysis or MSDS are required for EQFL Non-hazardous wastes.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D024	m-Cresol	200	☒ Below ☐ Above
D025	p-Cresol	200	☒ Below ☐ Above
D026	Cresols	200	☒ Below ☐ Above
D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D031	Heptachlor	0.008	☒ Below ☐ Above
D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D034	Hexachloroethane	3.0	☒ Below ☐ Above
D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D036	Nitrobenzene	2	☒ Below ☐ Above
D037	Pentachlorophenol	100	☒ Below ☐ Above
D038	Pyridine	5	☒ Below ☐ Above
D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D040	Trichloroethylene	0.5	☒ Below ☐ Above
D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code: 0211

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☒ Yes ☐ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No
If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☒ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Is the site, or waste, subject to any other MACT or NESHAP? ☐ Yes, please specify: _____ ☒ No
9.3) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.3, please skip to Section 10.
9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the Benzene NESHAP identified in 40 CFR 61, Subpart FF? ☐ Yes ☒ No
9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☒ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.4 and 9.5, please skip to Section 10.
9.6) Does the waste contain >10% water? ☒ Yes ☐ No
9.7) What is the TAB quantity for your facility? _____ Mg/Year
9.8) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☒ No
9.9) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.
(Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: *Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)*

Constituent	Concentration	UHC?	Constituent	Concentration	UHC?
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name _____

Company _____ Title _____ Date _____

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Land Disposal Restriction & Certification Form

Please check the appropriate facility:

☐ **Michigan Disposal Waste Treatment Plant**	*49350 N. I-94 Service Drive, Belleville, MI 48111*	*EPA ID # MID 000 724 831*
☐ **Wayne Disposal, Inc. Site #2 Landfill**	*49350 N. I-94 Service Drive, Belleville, MI 48111*	*EPA ID # MID 048 090 633*
☒ **EQ Detroit, Inc.**	*1923 Frederick Street, Detroit, MI 48211*	*EPA ID # MID 980 991 566*
☐ **EQ Resource Recovery, Inc.**	*36345 Van Born Road, Romulus, MI 48174*	*EPA ID # MID 060 975 844*
☐ **EQ North Carolina**	*1005 Investment Blvd, Apex, NC 27502*	*EPA ID # NCD 982 170 292*
☐ **EQ Florida, Inc.**	*7202 East 8th Ave, Tampa, FL 33619*	*EPA ID # FLD 981 932 494*

Generator Name: Town of Manchester **U.S. EPA ID No.:** _____

Generator Address: 295 Broad St., Manchester, CT 06045

State Manifest No.: _____ **Manifest Doc. No.:** _____

Instructions

Column 1: Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.
Column 2: Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
Column 3: Enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) – soil, or 268.45 – debris.
Column 4: Enter the letter of the appropriate paragraph from pages 1-2 of this form.
Column 5: For F001 – F005, F039, D001 – D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment. The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soil and Debris wastes.
11A					
11B					
11C					
11D					

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

> **Generator Signature:** _____ **Title:** _____

> **Printed Name:** _____ **Date:** _____

How Must the Waste Be Managed?

S. THIS CONTAMINATED SOIL *DOES / DOES NOT* (CIRCLE ONE) CONTAIN LISTED HAZARDOUS WASTE AND *DOES / DOES NOT* (CIRCLE ONE) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND *IS SUBJECT TO / COMPLIES WITH* (CIRCLE ONE) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

1x15, 1x5

Tracking #_____

WASTE CHARACTERIZATION REPORT

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☒ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MID 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MID 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MID 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Alkaline liquids leaks Loose Pack Mix in vermiculite

Section 1 – Generator & Customer Information

SIC/NAICS* _____

→ Generator EPA ID # _____

Generator Town of Manchester

Facility Address 295 Broad St.

City Manchester State CT Zip 06040

County _____

Mailing Address 41 Center St.

City Manchester State CT Zip 06045

→ Generator Contact _____

→ Title _____

→ Phone _____ Fax _____

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 2576

Invoicing Company New England Disposal Technologies

Address 83 Gilmore Dr.

City Sutton State MA Zip 01590

Country USA

Invoicing Contact Michael Robertson

Phone 508 234-4440 Fax 508 234-4441

Technical Contact Brian Bodemer

Phone 508/ Fax 508/

Mobile _____ Pager _____

E-mail _____

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency 1x15, 1x5

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Waste Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide), 8, UN3266, PG-II

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging (check all that apply)

☐ Bulk Solid (Yd³ < 2000 lbs/yd³)

☐ Bulk Solid (Ton >2000 lbs/yd³)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☐ Drums

☒ Other (palletized, 5 gal. Pail, etc.) 1x15, 1x5

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 – Physical Characteristics

3.1) Color Clear 3.2) Odor none

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☒ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☐ 5-10 ☐ 10.1-12.4 ☒ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ ≥200°F

3.7) Does this waste contain? (check all that apply) ☒ None ☐ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☒ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Sodium hydroxide soln 20 to 30 % Hydroxide/silicate salts 0 to 10 %

Ammonium hydroxide ✓ to ✓ % _____ to ____ %

Potassium hydroxide ✓ ✓ Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Unused raw material/virgin product - Loose pack bottles and jars (non-leaking) packed in vermiculite.

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules:			Please list applicable waste code(s):
5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☐ Yes	☒ No	
5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)?	☒ Yes	☐ No	D002
5.3) Do any State Waste Codes apply?	☐ Yes	☒ No	
5.4) Is this waste intended for wastewater treatment?	☐ Yes*	☒ No	

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☒ Yes ☐ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☒ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Based On: ☒ Generator Knowledge ☐ Analysis* ☐ MSDS* *Please attach a copy.

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above_____	D024	m-Cresol	200	☒ Below ☐ Above_____
D005	Barium	100	☒ Below ☐ Above_____	D025	p-Cresol	200	☒ Below ☐ Above_____
D006	Cadmium	1	☒ Below ☐ Above_____	D026	Cresols	200	☒ Below ☐ Above_____
D007	Chromium	5	☒ Below ☐ Above_____	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above_____
D008	Lead	5	☒ Below ☐ Above_____	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above_____
D009	Mercury	0.2	☒ Below ☐ Above_____	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above_____
D010	Selenium	1	☒ Below ☐ Above_____	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above_____
D011	Silver	5	☒ Below ☐ Above_____	D031	Heptachlor	0.008	☒ Below ☐ Above_____
D012	Endrin	0.02	☒ Below ☐ Above_____	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above_____
D013	Lindane	0.4	☒ Below ☐ Above_____	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above_____
D014	Methoxychlor	10	☒ Below ☐ Above_____	D034	Hexachloroethane	3.0	☒ Below ☐ Above_____
D015	Toxaphene	0.5	☒ Below ☐ Above_____	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above_____
D016	2,4-D	10	☒ Below ☐ Above_____	D036	Nitrobenzene	2	☒ Below ☐ Above_____
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above_____	D037	Pentachlorophenol	100	☒ Below ☐ Above_____
D018	Benzene	0.5	☒ Below ☐ Above_____	D038	Pyridine	5	☒ Below ☐ Above_____
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above_____	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above_____
D020	Chlordane	0.03	☒ Below ☐ Above_____	D040	Trichloroethylene	0.5	☒ Below ☐ Above_____
D021	Chlorobenzene	100	☒ Below ☐ Above_____	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above_____
D022	Chloroform	6.0	☒ Below ☐ Above_____	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above_____
D023	o-Cresol	200	☒ Below ☐ Above_____	D043	Vinyl Chloride	0.2	☒ Below ☐ Above_____

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No
If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☒ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☒ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☒ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☒ Yes ☐ No
9.6) What is the TAB quantity for your facility? _____ Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☒ No
9.8) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: *Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)*

Constituent	Concentration	UHC?		Constituent	Concentration	UHC?	
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name _____

Company _____ Title _____ Date _____

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Land Disposal Restriction & Certification Form

Please check the appropriate facility:

☐ **Michigan Disposal Waste Treatment Plant**	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill**	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 048 090 633
☒ **EQ Detroit, Inc.**	1923 Frederick Street, Detroit, MI 48211	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.**	36345 Van Born Road, Romulus, MI 48174	EPA ID # MID 060 975 844
☐ **EQ North Carolina**	1005 Investment Blvd, Apex, NC 27502	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.**	7202 East 8th Ave, Tampa, FL 33619	EPA ID # FLD 981 932 494

Generator Name: Town of Manchester **U.S. EPA ID No.:**

Generator Address: 295 Broad St., Manchester, CT 06040

State Manifest No.: **Manifest Doc. No.:**

Instructions

Column 1: Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.
Column 2: Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
Column 3: Enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) – soil, or 268.45 – debris.
Column 4: Enter the letter of the appropriate paragraph from pages 1-2 of this form.
Column 5: For F001 – F005, F039, D001 – D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment. The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soil and Debris wastes.
11A	D002	WW	Alkaline liquid pH≥12.5	A	—
11B					
11C					
11D					

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: **Title:**

Printed Name: **Date:**

How Must the Waste Be Managed?

S. THIS CONTAMINATED SOIL *DOES / DOES NOT* (CIRCLE ONE) CONTAIN LISTED HAZARDOUS WASTE AND *DOES / DOES NOT* (CIRCLE ONE) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND *IS SUBJECT TO / COMPLIES WITH* (CIRCLE ONE) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

1X15

WASTE CHARACTERIZATION REPORT

Tracking #_____

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☒ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MIO 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Mineral Acid / Salts Loose Pack Mix

Section 1 – Generator & Customer Information

SIC/NAICS* _____

Generator EPA ID # _____

Generator Town of Manchester

Facility Address 295 Broad St.

City Manchester State CT Zip 06040

County _____

Mailing Address 41 Center St.

City Manchester State CT Zip 06045

Generator Contact _____

Title _____

Phone _____ Fax _____

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 2576

Invoicing Company New England Disposal Technologies

Address 83 Gilmore Drive

City Sutton State MA Zip 01590

Country USA

Invoicing Contact Michael Robertson

Phone 508/234-4440 Fax 508/234-4441

Technical Contact Brian Bodemer

Phone 508, Fax 508,

Mobile _____ Pager _____

E-mail _____

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency 1X15

☐ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Waste Corrosive liquid, acidic, inorganic, n.o.s. (sulfuric acid), 8, UN3264, PG II

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging (check all that apply)

☐ Bulk Solid (Yd³ < 2000 lbs/yd³)

☐ Bulk Solid (Ton >2000 lbs/yd³)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☐ Drums

☒ Other (palletized, 5 gal. Pail, etc.) 1X15

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 – Physical Characteristics

3.1) Color Clear 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☒ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☒ ≤2 ☐ 2.1-4.9 ☐ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ ≥200°F

3.7) Does this waste contain? (check all that apply) ☒ None ☐ Free Liquids ☐ Oily Residue ☐ Metal Fines ☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard ☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates ☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Sulfuric acid soln 15 to 25 %
Hydrochloric acid ↓ to ↓ %
Phosphoric acid ↓

~~Nitric acid (fresh)~~ 0 to 0 %
Acid compatible salts 0 to 25 %
(sulfates/chlorides, etc.)
Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Unused portion of raw materials/lab chemicals – Loose pack bottles/jars (non-leaking) packed in vermiculite.

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes ☐ No D002

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☒ Yes ☐ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☐ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☐ No

6.3) Does this waste contain reactive cyanide ≥250 ppm (D003)? ☐ Yes ☐ No

6.4) Does this waste contain reactive sulfide ≥500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Based On: ☒ Generator Knowledge ☐ Analysis* ☐ MSDS* *Please attach a copy.

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code: _____

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered "yes" to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No
If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☒ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☒ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☒ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☒ Yes ☐ No
9.6) What is the TAB quantity for your facility? _____ Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☒ No
9.8) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: *Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)*

Constituent	Concentration	UHC?	Constituent	Concentration	UHC?
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

→ Generator Signature _____ Printed Name _____

→ Company _____ Title _____ Date _____

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

© EQ-The Environmental Quality Company

Land Disposal Restriction & Certification Form

Please check the appropriate facility:

☐ **Michigan Disposal Waste Treatment Plant**	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill**	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 048 090 633
☑ **EQ Detroit, Inc.**	1923 Frederick Street, Detroit, MI 48211	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.**	36345 Van Born Road, Romulus, MI 48174	EPA ID # MID 060 975 844
☐ **EQ North Carolina**	1005 Investment Blvd, Apex, NC 27502	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.**	7202 East 8th Ave, Tampa, FL 33619	EPA ID # FLD 981 932 494

Generator Name: Town of Manchester **U.S. EPA ID No.:** _____

Generator Address: 295 Broad St, Manchester, CT 06045

State Manifest No.: _____ **Manifest Doc. No.:** _____

Instructions

Column 1: Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.
Column 2: Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
Column 3: Enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) – soil, or 268.45 – debris.
Column 4: Enter the letter of the appropriate paragraph from pages 1-2 of this form.
Column 5: For F001 – F005, F039, D001 – D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment. The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soil and Debris wastes.
11A	D002	WW	Acid pH<2	A	—
11B					
11C					
11D					

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: _____ **Title:** _____

Printed Name: _____ **Date:** _____

How Must the Waste Be Managed?

S. THIS CONTAMINATED SOIL *DOES / DOES NOT* (CIRCLE ONE) CONTAIN LISTED HAZARDOUS WASTE AND *DOES / DOES NOT* (CIRCLE ONE) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND *IS SUBJECT TO / COMPLIES WITH* (CIRCLE ONE) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

VEXOR Technology, Inc.
955 West Smith Road
Medina, Ohio 44256
Phone: 330-721-9773
FAX: 330-721-9438
EPA ID# OHD 077772895

MATERIAL CHARACTERIZATION

www.vexortechnology.com

3x Totes

Approval # _____
Sample # _____
Sales Rep _____
Date Submitted _____

Generator Town of Manchester
Site Address 295 Broad Street
City Manchester State CT ZIP 06040
Phone _____ Fax _____
EPA ID# _____ SIC Code _____
Technical Contact _____
Title _____ e-mail _____

Bill To Name N.E.D.T., Inc.
Site Address 83 Gilmore Drive
City Sutton State MA ZIP 01590
Phone 508-234-4440 Fax 508-234-4441
Business Contact Mike Robertson
Title owner e-mail mrobertson@nedtinc.com

MATERIAL DESCRIPTION

Name and Description of Material: Antifreeze/water mix

Process Generating Material: Normal automotive repair/service activities. EPA Hazardous Waste: ___ Yes, X No

Proper DOT shipping name: Non RCRA, Non D.O.T. Regulated Material (ethylene glycol)

Method of Shipment: ☐ Bulk ☐ Drum ☒ Tote ☐ Cubic Yd Box ☐ Other/Explain: _____

Estimated Annual Volume: _____ Cubic Yards _____ Tons 1,050 Gallons _____ Drums _____ Container material (metal, plastic etc.)

Frequency: ☒ One Time Only ☐ Daily ☐ Weekly ☐ Monthly ☐ Yearly ☐ Other- explain N/A Approx drum weight

Special Handling Instructions: none

Preferred Disposal Method: ☒ Landfill ☐ Waste to Energy ☐ Recycling ☐ VEF ☐ Other _____

MATERIAL PROPERTIES AT 78°F

a) Physical State: ☐ Solid ☐ Semi-solid ☐ Powder ☒ Liquid ☒ Phases /

b) Reactivity: ☐ Water reactive ☐ Acid Reactive ☐ Alkaline Reactive ☐ Oxidizer ☐ Autosetting ☒ none

c) Flash Point, °F: ☐ ≤ 72 ☐ >72-100 ☐ >100-140 ☐ >140-200 ☐ >200 ☒ NA

d) S. G./Density 1.0 e) pH: ☐ ≤ 2 ☐ >2 – 6 ☒ 6 – 9 ☐ >9 – <12.5 ☐ ≥12.5 ☐ NA

f) Odor: ☐ None ☒ Mild ☐ Strong : Describe: glycol g) Color green

h) Total Organic Halogen (TOX) ☐ 0 ppm ☐ >1000 ppm* If this material is considered a "USED OIL" and is to be managed as a USED OIL, please complete the "USED OIL" ADDENDUM and attach to this profile.

i) PCB Content: ☐ 0 ppm ☐ 1-49 ppm* ☐ equal to or > 50 ppm *Supporting analysis and documentation required.

MATERIAL COMPOSITION: List all components, add up to 100%.

Constituent	Range % (wt-vol)	
	Min	Max
Ethylene glycol	10	20
Water	80	90
A combined total should equal 100%		

Above is based on: Generator Knowledge ☒ Analytical Data ☐ MSDS ☐
Please attach analysis, TCLP information and appropriate MSDS sheets.
SAMPLE SUBMITTED WITH THIS PROFILE: Yes____ No____

CHEMICAL COMPOSITION:

Constituent	Range %	
	Min	Max
Sulfur	less than limits	
Chlorine		
Bromine		
Fluorine		
Nitrogen		
Oxygen		
Carbon		
Ash		
Btu's		
Biomass		

Metals (other than RCRA)

Metal	ppm	Metal	ppm	Metal	ppm	Metal	ppm
Thallium	less than limits	Antimony		Beryllium		Cobalt	
Copper		Nickel		Vanadium		Tin	
Zinc		Iron		Manganese		Magnesium	
Molybdenum		Palladium					

MATERIAL CHARACTERIZATION

Approval # _____

RCRA CONTAMINANTS: ☐ TCLP ☐ TOTAL ☒ NONE IN THIS SECTION

EPA #	NAME		REGULATORY LEVEL	ACTUAL	EPA#	NAME		REGULATORY LEVEL	ACTUAL
D004	Arsenic	☐	>5.0		D024	m-Cresol	☐	>200.0	
D005	Barium	☐	>100.0		D025	p-Cresol	☐	>200.0	
D006	Cadmium	☐	>1.0		D026	Cresol (total)	☐	>200.0	
D007	Chromium	☐	>5.0		D027	1,4-Dichlorobenzene	☐	>7.5	
D008	Lead	☐	>5.0		D028	1,2-Dichlorethane	☐	>0.5	
D009	Mercury	☐	>0.2		D029	1,2-Dichlorethylene	☐	>.13	
D010	Selenium	☐	>1.0		D030	2,4-Dinitrotoluene	☐	>0.008	
D011	Silver	☐	>5.0		D031	Heptachlor	☐	>0.13	
D012	Endrin	☐	>0.02		D032	Hexachlorobenzene	☐	>0.5	
D013	Lindane	☐	>0.4		D033	Hexachloro-1,3-butadiene	☐	>0.5	
D014	Methoxychlor	☐	>10.0		D034	Hexachloroethane	☐	>3.0	
D015	Toxaphene	☐	>0.05		D035	Methyl Ethyl Ketone	☐	>200.0	
D016	2,4-D	☐	>10.0		D036	Nitrobenzene	☐	>2.0	
D017	2,4,5-TP (Silvex)	☐	>1.0		D037	Petachlorophenol	☐	>100.0	
D018	Benzene	☐	>0.5		D038	Pyridine	☐	>100.0	
D019	Carbon Tetrchloride	☐	>0.5		D039	Tetrchloroethylene	☐	>0.7	
D020	Chlordane	☐	>0.03		D040	Trichloroethylene	☐	>0.5	
D021	Chlorobenzene	☐	>100.0		D041	2,4,5-Trichlorophenol	☐	>400.0	
D022	Chloroform	☐	>6.0		D042	2,4,6-Trichlorophenol	☐	>2.0	
D023	o-Cresol	☐	>200.0		D043	Vinyl Chloride	☐	>0.2	

GENERATOR CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the material being offered for disposal.
Samples of this material submitted to VEXOR are representative of the material described in this profile. I further certify that by utilizing this profile, neither I nor any other employee of the company will deliver for treatment, processing or recycling or attempt to deliver for same any material that is classified as a hazardous waste, medical or infectious waste or any other material that this facility is prohibited from accepting by law.

Authorized Representative Name (Printed) _____ Company _____

Authorized Representative Signature: _____

Title: _____ Date: _____

For VEXOR Use Only

Reviewed by: _____ Date: _____ Second review: _____ Date:

Approved for treatment (please check and initial) _____ Special Handling (if yes, make process directions in notes): _____

Treatment	Solidification/Landfill	Waste to Energy	VEF	Water	Used oil	Recycling	Other (please note processing)
Check all that apply							

Rejected – reason: _____

Price: _____ per unit: _____ CS initial _____ Price approved by: _____ Date: _____

Notes: _____

VEXOR Technology, Inc.
955 West Smith Road
Medina, Ohio 44256
Phone: 330-721-9773
FAX: 330-721-9438
EPA ID# OHD 077772895

MATERIAL CHARACTERIZATION

www.vexortechnology.com

Approval # _____
Sample # _____
Sales Rep _____
Date Submitted _____

5X55

Generator Town of Manchester
Site Address 295 Broad St.
City Manchester State CT ZIP 06040
Phone _____ Fax _____
EPA ID# _____ SIC Code _____
Technical Contact _____
Title _____ e-mail _____

Bill To Name New England Disposal Technologies, Inc
Site Address 83 Gilmore Drive
City Sutton State MA ZIP 01590
Phone 508/234-4440 Fax 508/234-4441
Business Contact Michael Robertson
Title GM e-mail mrobertson@nedtinc.com

MATERIAL DESCRIPTION

Name and Description of Material: Spent petroleum oil mixture/water/debris
Process Generating Material: Normal machine maintenance U.S. EPA Hazardous Waste: ___ Yes X No
Proper DOT shipping name: ~~Connecticut~~ State Regulated Oil Waste (petroleum oil)
Method of Shipment: ☐ Bulk ☒ Drum ☐ Tote ☐ Cubic Yd Box ☐ Other/Explain: 5X55
Estimated Annual Volume: ☐ Cubic Yards ☐ Tons ☐ Gallons ☒ Drums ☒ Container material (metal, plastic, etc.)
Frequency: ☒ One Time Only ☐ Daily ☐ Weekly ☐ Monthly ☐ Yearly ☐ Other- explain 300 # Approx drum weight
Special Handling Instructions: none
Preferred Disposal Method: ☒ Landfill ☐ Waste to Energy ☐ Recycling ☐ VEF ☐ Other _____

MATERIAL PROPERTIES AT 78°F

a) Physical State: ☐ Solid ☐ Semi-solid ☐ Powder ☒ Liquid ☐ Phases 2
b) Reactivity: ☐ Water reactive ☐ Acid Reactive ☐ Alkaline Reactive ☐ Oxidizer ☐ Autosetting ☒ none
c) Flash Point, °F: ☐ ≤ 72 ☐ >72-100 ☐ >100-140 ☐ >140-200 ☒ >200 ☐ NA
d) S. G./Density .7-.9 e) pH: ☐ ≤2 ☐ >2 – 6 ☒ >6 – 9 ☐ >9 – <12.5 ☐ ≥12.5 ☐ NA
f) Odor: ☐ None ☒ Mild ☐ Strong : Describe: petroleum g) Color brown
h) Total Organic Halogen (TOX) ☐ 0 ppm ☒ >1000 ppm* If this material is considered a "USED OIL" and is to be managed as a USED OIL, please complete the "USED OIL" ADDENDUM and attach to this profile.
i) PCB Content: ☒ 0 ppm ☐ 1-49 ppm* ☐ equal to or > 50 ppm *Supporting analysis and documentation required.

MATERIAL COMPOSITION: List all components, add up to 100%.

Constituent	Range % (wt-vol) Min	Max
Petroleum oil	0	20
Hydraulic oil		
Crankcase oil		
~~Machine oil~~ Water		
~~Vacuum pump oil~~ Rags/PPE		
~~Turbine oil~~ Opened pails		
lids/poly/speedydry		
A combined total should equal 100%		

Above is based on: Generator Knowledge ✓ Analytical Data ___ MSDS ___
Please attach analysis, TCLP information and appropriate MSDS sheets.
SAMPLE SUBMITTED WITH THIS PROFILE: Yes ___ No ✓

CHEMICAL COMPOSITION:

Constituent	Range % Min	Max
Sulfur	less than limits	
Chlorine		
Bromine		
Fluorine		
Nitrogen		
Oxygen		
Carbon		
Ash		
Btu's		
Biomass		

Metals (other than RCRA)

Metal	ppm	Metal	ppm	Metal	ppm	Metal	ppm
Thallium	less than	Antimony		Beryllium		Cobalt	
Copper	limits	Nickel		Vanadium		Tin	
Zinc		Iron		Manganese		Magnesium	
Molybdenum		Palladium					

MATERIAL CHARACTERIZATION

Approval # _____

RCRA CONTAMINANTS: ☐ TCLP ☑ TOTAL ☐ NONE IN THIS SECTION

EPA #	NAME	REGULATORY LEVEL	ACTUAL
D004	Arsenic	>5.0	less than limits
D005	Barium	>100.0	
D006	Cadmium	>1.0	
D007	Chromium	>5.0	
D008	Lead	>5.0	
D009	Mercury	>0.2	
D010	Selenium	>1.0	
D011	Silver	>5.0	
D012	Endrin	>0.02	
D013	Lindane	>0.4	
D014	Methoxychlor	>10.0	
D015	Toxaphene	>0.05	
D016	2,4-D	>10.0	
D017	2,4,5-TP (Silvex)	>1.0	
D018	Benzene	>0.5	
D019	Carbon Tetrchloride	>0.5	
D020	Chlordane	>0.03	
D021	Chlorobenzene	>100.0	
D022	Chloroform	>6.0	
D023	o-Cresol	>200.0	

EPA#	NAME	REGULATORY LEVEL	ACTUAL
D024	m-Cresol	>200.0	less than limits
D025	p-Cresol	>200.0	
D026	Cresol (total)	>200.0	
D027	1,4-Dichlorobenzene	>7.5	
D028	1,2-Dichlorethane	>0.5	
D029	1,2-Dichlorethylene	>.13	
D030	2,4-Dinitrotoluene	>0.008	
D031	Heptachlor	>0.13	
D032	Hexachlorobenzene	>0.5	
D033	Hexachloro-1,3-butadiene	>0.5	
D034	Hexachloroethane	>3.0	
D035	Methyl Ethyl Ketone	>200.0	
D036	Nitrobenzene	>2.0	
D037	Pctachlorophenol	>100.0	
D038	Pyridine	>100.0	
D039	Tetrchloroethylene	>0.7	
D040	Trichloroethylene	>0.5	
D041	2,4,5-Trichlorophenol	>400.0	
D042	2,4,6-Trichlorophenol	>2.0	
D043	Vinyl Chloride	>0.2	

GENERATOR CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the material being offered for disposal.

Samples of this material submitted to VEXOR are representative of the material described in this profile. I further certify that by utilizing this profile, neither I nor any other employee of the company will deliver for treatment, processing or recycling or attempt to deliver for same any material that is classified as a hazardous waste, medical or infectious waste or any other material that this facility is prohibited from accepting by law.

Authorized Representative Name (Printed) _____ Company _____

Authorized Representative Signature: _____

Title: _____ Date: _____

For VEXOR Use Only

Reviewed by: _____ Date: _____ Second review: _____ Date:

Approved for treatment (please check and initial) _____ Special Handling (if yes, make process directions in notes): _____

Treatment	Solidification/Landfill	Waste to Energy	VEF	Water	Used oil	Recycling	Other (please note processing)
Check all that apply							

Rejected – reason: _____

Price: _____ per unit: _____ CS initial _____ Price approved by: _____ Date: _____

Notes: _____

VEXOR Technology, Inc.
955 W. Smith Rd.
Medina, OH 44256
Phone: 330-721-9773
Fax: 330-721-9438
EPA ID# OHD077772895

VEXOR Technology, Inc. USED OIL Addendum For Approval of USED OIL

Generator Status:

Large Quantity: ____ Small Quantity: ✓ Conditionally Exempt Small Quantity: ____

Is this material a "USED OIL" as defined in the Ohio Administrative Code 3745-279-01? YES ✓ NO____

Has this "USED OIL" been mixed with hazardous waste YES____ NO ✓

Does this "USED OIL" contain greater than 1,000ppm total halogens? YES____ NO ✓

If "YES", can you identify the "halogenated constituent" present in the oil?

_____

If "YES", can you rebut the presumption that this material is a "hazardous waste" under OAC 3745-279-21(B)? YES ____ NO ____ (If YES, complete the USED OIL REBUTTAL below)

USED OIL REBUTTAL

Generator: Town of Manchester

Address: 295 Broad St.

City: Manchester State CT Zip 06040

Contact: _____ Title: _____

Waste Stream: Petroleum oil/water/debris

Process Generating waste: Normal automotive mtnce activities

I, being an authorized representative of the generator, certify that the used oil waste stream being offered to, or shipped to, VEXOR Technology, Inc. for processing, as a non-hazardous waste, does not contain any halogenated hazardous constituents listed in 40CFR261.

Method of Rebutting the Presumption (check at least one)

_____ The total halogen results are greater than 1,000ppm due to the present of chlorinated paraffin's in the formulation of the oil. (Material Safety Data Sheet attached)

_____ Analysis attached using analytical method from SW-846

Name: _____ Title: _____

Signature: _____ Date: _____

VEXOR Technology, Inc.
955 West Smith Road
Medina, Ohio 44256
Phone: 330-721-9773
FAX: 330-721-9438
EPA ID# OHD 077772895

MATERIAL CHARACTERIZATION

www.vexortechnology.com

Approval # _____
Sample # _____
Sales Rep _____
Date Submitted _____

1XCYB

Generator Town of Manchester
Site Address 245 Broad Street
City Manchester State CT ZIP 06040
Phone _____ Fax _____
EPA ID# _____ SIC Code _____
Technical Contact _____
Title _____ e-mail _____

Bill To Name New England Disposal Technologies, Inc
Site Address 83 Gilmore Drive
City Sutton State MA ZIP 01590
Phone 508/234-4440 Fax 508/234-4441
Business Contact Michael Robertson
Title GM e-mail mrobertson@nedtinc.com

MATERIAL DESCRIPTION

Name and Description of Material: Grease/Oil/Debris Mix
Process Generating Material: Collection of unused product U.S. EPA Hazardous Waste: ___ Yes X No
Proper DOT shipping name: ~~Connecticut~~ State Regulated Oil Waste (grease) (oil)
Method of Shipment: ☐ Bulk ☐ Drum ☐ Tote ☒ Cubic Yd Box ☐ Other/Explain: 1XCYB
Estimated Annual Volume: ☒ Cubic Yards ☐ Tons ☐ Gallons ☐ Drums ☐ Container material (metal, plastic, etc.)
Frequency: ☒ One Time Only ☐ Daily ☐ Weekly ☐ Monthly ☐ Yearly ☐ Other- explain 500 lbs. Approx drum weight
Special Handling Instructions: none
Preferred Disposal Method: ☒ Landfill ☐ Waste to Energy ☐ Recycling ☐ VEF ☐ Other _____

MATERIAL PROPERTIES AT 78°F

a) Physical State: ☐ Solid ☒ Semi-solid ☐ Powder ☐ Liquid ☒ Phases /
b) Reactivity: ☐ Water reactive ☐ Acid Reactive ☐ Alkaline Reactive ☐ Oxidizer ☐ Autosetting ☒ none
c) Flash Point, °F: ☐ ≤ 72 ☐ >72-100 ☐ >100-140 ☐ >140-200 ☒ >200 ☐ NA
d) S. G./Density .8-.9 e) pH: ☐ ≤2 ☐ >2 – 6 ☐ >6 – 9 ☐ >9 – <12.5 ☐ ≥12.5 ☒ NA
f) Odor: ☐ None ☒ Mild ☐ Strong : Describe: petroleum g) Color brown
h) Total Organic Halogen (TOX) ☐ 0 ppm ☒ >1000 ppm* If this material is considered a "USED OIL" and is to be managed as a USED OIL, please complete the "USED OIL" ADDENDUM and attach to this profile.
i) PCB Content: ☒ 0 ppm ☐ 1-49 ppm* ☐ equal to or > 50 ppm *Supporting analysis and documentation required.

MATERIAL COMPOSITION: List all components, add up to 100%.

Constituent	Range % (wt-vol) Min	Max
Grease (hydrocarbon base)	50	100
Petroleum oil		
Metal kegs/pails/cans (non leaking)	0	50
A combined total should equal 100%		

Above is based on: Generator Knowledge ✓ Analytical Data ___ MSDS ___
Please attach analysis, TCLP information and appropriate MSDS sheets.
SAMPLE SUBMITTED WITH THIS PROFILE: Yes ___ No ✓

CHEMICAL COMPOSITION:

Constituent	Range % Min	Max
Sulfur	less than	
Chlorine	limits	
Bromine		
Fluorine		
Nitrogen		
Oxygen		
Carbon		
Ash		
Btu's		
Biomass		

Metals (other than RCRA)

Metal	ppm	Metal	ppm	Metal	ppm	Metal	ppm
Thallium	less than	Antimony		Beryllium		Cobalt	
Copper	limits	Nickel		Vanadium		Tin	
Zinc		Iron		Manganese		Magnesium	
Molybdenum		Palladium					

MATERIAL CHARACTERIZATION

Approval # _____

RCRA CONTAMINANTS: ☐ TCLP ☒ TOTAL ☒ NONE IN THIS SECTION

EPA #	NAME	REGULATORY LEVEL	ACTUAL
D004	Arsenic	>5.0	less than limits
D005	Barium	>100.0	
D006	Cadmium	>1.0	
D007	Chromium	>5.0	
D008	Lead	>5.0	
D009	Mercury	>0.2	
D010	Selenium	>1.0	
D011	Silver	>5.0	
D012	Endrin	>0.02	
D013	Lindane	>0.4	
D014	Methoxychlor	>10.0	
D015	Toxaphene	>0.05	
D016	2,4-D	>10.0	
D017	2,4,5-TP (Silvex)	>1.0	
D018	Benzene	>0.5	
D019	Carbon Tetrchloride	>0.5	
D020	Chlordane	>0.03	
D021	Chlorobenzene	>100.0	
D022	Chloroform	>6.0	
D023	o-Cresol	>200.0	

EPA#	NAME	REGULATORY LEVEL	ACTUAL
D024	m-Cresol	>200.0	less than limits
D025	p-Cresol	>200.0	
D026	Cresol (total)	>200.0	
D027	1,4-Dichlorobenzene	>7.5	
D028	1,2-Dichlorethane	>0.5	
D029	1,2-Dichlorethylene	>.13	
D030	2,4-Dinitrotoluene	>0.008	
D031	Heptnchlor	>0.13	
D032	Hexachlorobenzene	>0.5	
D033	Hexachloro-1,3-butadiene	>0.5	
D034	Hexachloroethane	>3.0	
D035	Methyl Ethyl Ketone	>200.0	
D036	Nitrobenzene	>2.0	
D037	Petachlorophenol	>100.0	
D038	Pyridine	>100.0	
D039	Tetrchloroethylene	>0.7	
D040	Trichloroethylene	>0.5	
D041	2,4,5-Trichlorophenol	>400.0	
D042	2,4,6-Trichlorophenol	>2.0	
D043	Vinyl Chloride	>0.2	

GENERATOR CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the material being offered for disposal.

Samples of this material submitted to VEXOR are representative of the material described in this profile. I further certify that by utilizing this profile, neither I nor any other employee of the company will deliver for treatment, processing or recycling or attempt to deliver for same any material that is classified as a hazardous waste, medical or infectious waste or any other material that this facility is prohibited from accepting by law.

Authorized Representative Name (Printed) _____ Company _____

Authorized Representative Signature: _____

Title: _____ Date: _____

For VEXOR Use Only

Reviewed by: _____ Date: _____ Second review: _____ Date:

Approved for treatment (please check and initial) _____ Special Handling (if yes, make process directions in notes): _____

Treatment	Solidification/Landfill	Waste to Energy	VEF	Water	Used oil	Recycling	Other (please note processing)
Check all that apply							

Rejected – reason: _____

Price: _____ per unit: _____ CS initial _____ Price approved by: _____ Date: _____

Notes: _____

VEXOR Technology, Inc.
955 W. Smith Rd.
Medina, OH 44256
Phone: 330-721-9773
Fax: 330-721-9438
EPA ID# OHD077772895

VEXOR Technology, Inc. USED OIL Addendum For Approval of USED OIL

Generator Status:

Large Quantity: ✓ Small Quantity: ____ Conditionally Exempt Small Quantity: ____

Is this material a "USED OIL" as defined in the Ohio Administrative Code 3745-279-01? YES ✓ NO____

Has this "USED OIL" been mixed with hazardous waste YES____ NO ✓

Does this "USED OIL" contain greater than 1,000ppm total halogens? YES____ NO X

If "YES", can you identify the "halogenated constituent" present in the oil?

_____

If "YES", can you rebut the presumption that this material is a "hazardous waste" under OAC 3745-279-21(B)? YES ____ NO ____ (If YES, complete the USED OIL REBUTTAL below)

USED OIL REBUTTAL

Generator: Town of Manchester

Address: 295 Broad St.

City: Manchester State CT Zip 06040

Contact: _____ Title: _____

Waste Stream: Grease/oil mix

Process Generating waste: Normal automotive repair/maintenance activities

I, being an authorized representative of the generator, certify that the used oil waste stream being offered to, or shipped to, VEXOR Technology, Inc. for processing, as a non-hazardous waste, does not contain any halogenated hazardous constituents listed in 40CFR261.

Method of Rebutting the Presumption (check at least one)

_____ The total halogen results are greater than 1,000ppm due to the present of chlorinated paraffin's in the formulation of the oil. (Material Safety Data Sheet attached)

_____ Analysis attached using analytical method from SW-846

Name: _____ Title: _____

Signature: _____ Date: _____

VEXOR Technology, Inc.
955 West Smith Road
Medina, Ohio 44256
Phone: 330-721-9773
FAX: 330-721-9438
EPA ID# OHD 077772895

MATERIAL CHARACTERIZATION

www.vexortechnology.com

Approval # _____
Sample # _____
Sales Rep _____
Date Submitted _____

2xCYB

Generator: Town of Manchester
Site Address: 225 Broad St.
City: Manchester State: CT ZIP: 06040
Phone: _____ Fax: _____
EPA ID#: _____ SIC Code: _____
Technical Contact: _____
Title: _____ e-mail: _____

Bill To Name: New England Disposal Technologies, Inc
Site Address: 83 Gilmore Drive
City: Sutton State: MA ZIP: 01590
Phone: 508/234-4440 Fax: 508/234-4441
Business Contact: Michael Robertson
Title: GM e-mail: mrobertson@nedtinc.com

MATERIAL DESCRIPTION

Name and Description of Material: Latex paint in cans/related debris
Process Generating Material: Collection of unused portion of material U.S. EPA Hazardous Waste: ___ Yes X No
Proper DOT shipping name: Non RCRA, Non D.O.T. Regulated Material (latex paint)
Method of Shipment: ☐ Bulk ☐ Drum ☐ Tote ☒ Cubic Yd Box ☐ Other/Explain: 2xCYB
Estimated Annual Volume: ☒ Cubic Yards ☐ Tons ☐ Gallons ☐ Drums ☐ Container material (metal, plastic, etc.)
Frequency: ☐ One Time Only ☐ Daily ☐ Weekly ☐ Monthly ☐ Yearly ☐ Other- explain 500# ea Approx drum weight
Special Handling Instructions: none
Preferred Disposal Method: ☒ Landfill ☐ Waste to Energy ☐ Recycling ☐ VEF ☐ Other _____

MATERIAL PROPERTIES AT 78°F

a) Physical State: ☒ Solid ☒ Semi-solid ☐ Powder ☒ Liquid ☒ Phases 2
b) Reactivity: ☐ Water reactive ☐ Acid Reactive ☐ Alkaline Reactive ☐ Oxidizer ☐ Autosetting ☒ none
c) Flash Point, °F: ☐ ≤ 72 ☐ >72-100 ☐ >100-140 ☐ >140-200 ☐ >200 ☒ NA
d) S. G./Density 1 e) pH: ☐ ≤2 ☐ >2 – 6 ☒ >6 – 9 ☐ >9 – <12.5 ☐ ≥12.5 ☐ NA
f) Odor: ☐ None ☒ Mild ☐ Strong : Describe: acrylic g) Color Varied
h) Total Organic Halogen (TOX) ☒ 0 ppm ☐ >1000 ppm* If this material is considered a "USED OIL" and is to be managed as a USED OIL, please complete the "USED OIL" ADDENDUM and attach to this profile.
i) PCB Content: ☒ 0 ppm ☐ 1-49 ppm* ☐ equal to or > 50 ppm *Supporting analysis and documentation required.

MATERIAL COMPOSITION: List all components, add up to 100%.

Constituent	Range % (wt-vol) Min	Max
Acrylic latex based paints/coatings in pails/cans (non-leaking)	100%	
A combined total should equal 100%		

Above is based on: Generator Knowledge ✓ Analytical Data ___ MSDS ___
Please attach analysis, TCLP information and appropriate MSDS sheets.
SAMPLE SUBMITTED WITH THIS PROFILE: Yes ___ No X

CHEMICAL COMPOSITION:

Constituent	Range % Min	Max
Sulfur	0	0
Chlorine		
Bromine		
Fluorine		
Nitrogen		
Oxygen		
Carbon		
Ash		
Btu's		
Biomass		

Metals (other than RCRA)

Metal	ppm	Metal	ppm	Metal	ppm	Metal	ppm
Thallium	0	Antimony	0	Beryllium	0	Cobalt	0
Copper		Nickel		Vanadium		Tin	
Zinc		Iron		Manganese		Magnesium	
Molybdenum		Palladium					

MATERIAL CHARACTERIZATION

Approval # _____

RCRA CONTAMINANTS: ☐ TCLP ☐ TOTAL ☒ NONE IN THIS SECTION

EPA #	NAME		REGULATORY LEVEL	ACTUAL
D004	Arsenic	☐	>5.0	
D005	Barium	☐	>100.0	
D006	Cadmium	☐	>1.0	
D007	Chromium	☐	>5.0	
D008	Lead	☐	>5.0	
D009	Mercury	☐	>0.2	
D010	Selenium	☐	>1.0	
D011	Silver	☐	>5.0	
D012	Endrin	☐	>0.02	
D013	Lindane	☐	>0.4	
D014	Methoxychlor	☐	>10.0	
D015	Toxaphene	☐	>0.05	
D016	2,4-D	☐	>10.0	
D017	2,4,5-TP (Silvex)	☐	>1.0	
D018	Benzene	☐	>0.5	
D019	Carbon Tetrchloride	☐	>0.5	
D020	Chlordane	☐	>0.03	
D021	Chlorobenzene	☐	>100.0	
D022	Chloroform	☐	>6.0	
D023	o-Cresol	☐	>200.0	

EPA#	NAME		REGULATORY LEVEL	ACTUAL
D024	m-Cresol	☐	>200.0	
D025	p-Cresol	☐	>200.0	
D026	Cresol (total)	☐	>200.0	
D027	1,4-Dichlorobenzene	☐	>7.5	
D028	1,2-Dichlorethane	☐	>0.5	
D029	1,2-Dichlorethylene	☐	>.13	
D030	2,4-Dinitrotoluene	☐	>0.008	
D031	Heptachlor	☐	>0.13	
D032	Hexachlorobenzene	☐	>0.5	
D033	Hexachloro-1,3-butadiene	☐	>0.5	
D034	Hexachloroethane	☐	>3.0	
D035	Methyl Ethyl Ketone	☐	>200.0	
D036	Nitrobenzene	☐	>2.0	
D037	Petnchlorophenol	☐	>100.0	
D038	Pyridine	☐	>100.0	
D039	Tetrchloroethylene	☐	>0.7	
D040	Trichloroethylene	☐	>0.5	
D041	2,4,5-Trichlorophenol	☐	>400.0	
D042	2,4,6-Trichlorophenol	☐	>2.0	
D043	Vinyl Chloride	☐	>0.2	

GENERATOR CERTIFICATION

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Authorized Representative Name (Printed) _____ Company _____

Authorized Representative Signature: _____

Title: _____ Date: _____

For VEXOR Use Only

Reviewed by: _____ Date: _____ Second review: _____ Date:

Approved for treatment (please check and initial) _____ Special Handling (if yes, make process directions in notes): _____

Treatment	Solidification/Landfill	Waste to Energy	VEF	Water	Used oil	Recycling	Other (please note processing)
Check all that apply							

Rejected – reason: _____

Price: _____ per unit: _____ CS initial_____ Price approved by: _____ Date: _____

Notes: _____

ATTACHMENT (3)

AOC Analytical Data

PHOENIX
Environmental Laboratories, Inc.

Monday, December 23, 2013

Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: BROAD ST., MANCHESTER
Sample ID#s: BF87782 - BF87791

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

December 23, 2013

SDG I.D.: GBF87782

BF87787 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF87788 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF87789 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF87790 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	13:35
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87782

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-NORTH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	12/12/13	I	E160.3
Extraction of CT ETPH	Completed			12/12/13	BS/F	3545
Field Extraction	Completed			12/12/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	50	mg/Kg	12/16/13	KCA	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	KCA	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	81		%	12/16/13	KCA	50 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	12/14/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloropropene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromoethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloroethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloropropane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-NORTH

Phoenix I.D.: BF87782

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,3-Dichloropropane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
2,2-Dichloropropane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
2-Chlorotoluene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
2-Hexanone	ND	26	ug/Kg	12/14/13	HM	SW8260
2-Isopropyltoluene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
4-Chlorotoluene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	12/14/13	HM	SW8260
Acetone	ND	31	ug/Kg	12/14/13	HM	SW8260
Acrylonitrile	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Benzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Bromobenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Bromochloromethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Bromodichloromethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Bromoform	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Bromomethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Carbon Disulfide	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Carbon tetrachloride	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Chlorobenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Chloroethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Chloroform	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Chloromethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	12/14/13	HM	SW8260
Dibromomethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Dichlorodifluoromethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Ethylbenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Hexachlorobutadiene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Isopropylbenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
m&p-Xylene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	12/14/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	12/14/13	HM	SW8260
Methylene chloride	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Naphthalene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
n-Butylbenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
n-Propylbenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
o-Xylene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
p-Isopropyltoluene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
sec-Butylbenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Styrene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
tert-Butylbenzene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Tetrachloroethene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	12/14/13	HM	SW8260
Toluene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Total Xylenes	ND	5.1	ug/Kg	12/14/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-NORTH

Phoenix I.D.: BF87782

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	12/14/13	HM	SW8260
Trichloroethene	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Trichlorofluoromethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.1	ug/Kg	12/14/13	HM	SW8260
Vinyl chloride	ND	5.1	ug/Kg	12/14/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	104		%	12/14/13	HM	70 - 130 %
% Bromofluorobenzene	93		%	12/14/13	HM	70 - 130 %
% Dibromofluoromethane	106		%	12/14/13	HM	70 - 130 %
% Toluene-d8	99		%	12/14/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	13:40
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87783

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-EAST

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	12/12/13	I	E160.3
Extraction of CT ETPH	Completed			12/12/13	BS/F	3545
Field Extraction	Completed			12/12/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	50	mg/Kg	12/16/13	KCA	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	KCA	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	81		%	12/16/13	KCA	50 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	12/14/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloropropene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromoethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloroethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloropropane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-EAST

Phoenix I.D.: BF87783

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,3-Dichloropropane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
2,2-Dichloropropane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
2-Chlorotoluene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
2-Hexanone	ND	29	ug/Kg	12/14/13	HM	SW8260
2-Isopropyltoluene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
4-Chlorotoluene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
4-Methyl-2-pentanone	ND	29	ug/Kg	12/14/13	HM	SW8260
Acetone	ND	34	ug/Kg	12/14/13	HM	SW8260
Acrylonitrile	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Benzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Bromobenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Bromochloromethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Bromodichloromethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Bromoform	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Bromomethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Carbon Disulfide	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Carbon tetrachloride	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Chlorobenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Chloroethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Chloroform	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Chloromethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Dibromochloromethane	ND	3.4	ug/Kg	12/14/13	HM	SW8260
Dibromomethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Dichlorodifluoromethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Ethylbenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Hexachlorobutadiene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Isopropylbenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
m&p-Xylene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Methyl Ethyl Ketone	ND	34	ug/Kg	12/14/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/14/13	HM	SW8260
Methylene chloride	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Naphthalene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
n-Butylbenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
n-Propylbenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
o-Xylene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
p-Isopropyltoluene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
sec-Butylbenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Styrene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
tert-Butylbenzene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Tetrachloroethene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/14/13	HM	SW8260
Toluene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Total Xylenes	ND	5.7	ug/Kg	12/14/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-EAST

Phoenix I.D.: BF87783

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/14/13	HM	SW8260
Trichloroethene	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Trichlorofluoromethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.7	ug/Kg	12/14/13	HM	SW8260
Vinyl chloride	ND	5.7	ug/Kg	12/14/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	12/14/13	HM	70 - 130 %
% Bromofluorobenzene	90		%	12/14/13	HM	70 - 130 %
% Dibromofluoromethane	91		%	12/14/13	HM	70 - 130 %
% Toluene-d8	97		%	12/14/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	13:45
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87784

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-SOUTH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	12/12/13	I	E160.3
Extraction of CT ETPH	Completed			12/12/13	SS/F	3545
Field Extraction	Completed			12/12/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	50	mg/Kg	12/16/13	KCA	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	KCA	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	74		%	12/16/13	KCA	50 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	12/14/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-SOUTH

Phoenix I.D.: BF87784

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
2-Hexanone	ND	26	ug/Kg	12/14/13	HM	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	12/14/13	HM	SW8260
Acetone	ND	31	ug/Kg	12/14/13	HM	SW8260
Acrylonitrile	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Benzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromochloromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromoform	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromomethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Chlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Chloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Chloroform	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Chloromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	12/14/13	HM	SW8260
Dibromomethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Ethylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
m&p-Xylene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	12/14/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	12/14/13	HM	SW8260
Methylene chloride	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Naphthalene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
o-Xylene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Styrene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	12/14/13	HM	SW8260
Toluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Total Xylenes	ND	5.2	ug/Kg	12/14/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-SOUTH

Phoenix I.D.: BF87784

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	12/14/13	HM	SW8260
Trichloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Vinyl chloride	ND	5.2	ug/Kg	12/14/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	103		%	12/14/13	HM	70 - 130 %
% Bromofluorobenzene	93		%	12/14/13	HM	70 - 130 %
% Dibromofluoromethane	107		%	12/14/13	HM	70 - 130 %
% Toluene-d8	100		%	12/14/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	13:50
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87785

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-WEST

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	12/12/13	I	E160.3
Extraction of CT ETPH	Completed			12/12/13	BS/F	3545
Field Extraction	Completed			12/12/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	51	mg/Kg	12/16/13	KCA	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	KCA	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	80		%	12/16/13	KCA	50 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	12/13/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-WEST

Phoenix I.D.: BF87785

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
2-Hexanone	ND	28	ug/Kg	12/13/13	HM	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	12/13/13	HM	SW8260
Acetone	ND	33	ug/Kg	12/13/13	HM	SW8260
Acrylonitrile	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Benzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromochloromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromoform	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromomethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Chlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Chloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Chloroform	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Chloromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	12/13/13	HM	SW8260
Dibromomethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Ethylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
m&p-Xylene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	12/13/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/13/13	HM	SW8260
Methylene chloride	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Naphthalene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
o-Xylene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Styrene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/13/13	HM	SW8260
Toluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Total Xylenes	ND	5.5	ug/Kg	12/13/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	12/13/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-WEST

Phoenix I.D.: BF87785

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/13/13	HM	SW8260
Trichloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Vinyl chloride	ND	5.5	ug/Kg	12/13/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	105		%	12/13/13	HM	70 - 130 %
% Bromofluorobenzene	90		%	12/13/13	HM	70 - 130 %
% Dibromofluoromethane	106		%	12/13/13	HM	70 - 130 %
% Toluene-d8	98		%	12/13/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	13:55
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87786

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-BOTTOM

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	12/13/13	LK	SW6010
Arsenic	0.6	0.6	mg/Kg	12/13/13	LK	SW6010
Barium	20.6	0.32	mg/Kg	12/13/13	LK	SW6010
Beryllium	< 0.26	0.26	mg/Kg	12/13/13	LK	SW6010
Cadmium	< 0.32	0.32	mg/Kg	12/13/13	LK	SW6010
Chromium	4.83	0.32	mg/Kg	12/13/13	LK	SW6010
Copper	3.77	0.32	mg/kg	12/13/13	LK	SW6010
Mercury	< 0.06	0.06	mg/Kg	12/13/13	RS	SW-7471
Nickel	3.79	0.32	mg/Kg	12/13/13	LK	SW6010
Lead	2.05	0.32	mg/Kg	12/13/13	LK	SW6010
Antimony	< 3.2	3.2	mg/Kg	12/13/13	LK	SW6010
Selenium	< 1.3	1.3	mg/Kg	12/13/13	LK	SW6010
SPLP Silver	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	12/13/13	LK	SW6010
SPLP Barium	0.035	0.010	mg/L	12/13/13	LK	SW6010
SPLP Beryllium	< 0.001	0.001	mg/L	12/13/13	LK	SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	12/13/13	LK	SW6010
SPLP Chromium	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Copper	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	12/13/13	RS	1312/SW7470
SPLP Nickel	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Lead	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Antimony	< 0.005	0.005	mg/L	12/13/13	LK	SW6010
SPLP Selenium	< 0.020	0.020	mg/L	12/13/13	LK	SW6010
SPLP Thallium	< 0.005	0.005	mg/L	12/13/13	LK	SW6010
SPLP Vanadium	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Zinc	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
Thallium	< 2.9	2.9	mg/Kg	12/13/13	LK	SW6010

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-BOTTOM

Phoenix I.D.: BF87786

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
SPLP Metals Digestion	Completed			12/13/13	I/I	SW846-3005	
Vanadium	8.35	0.32	mg/Kg	12/13/13	LK	SW6010	
Zinc	8.44	0.32	mg/Kg	12/13/13	LK	SW6010	B
Percent Solid	98		%	12/12/13	I	E160.3	
Soil Extraction for PCB	Completed			12/12/13	BB/V	SW3545	
Soil Extraction SVOA PAH	Completed			12/12/13	BJ/FV	SW3545	
Mercury Digestion	Completed			12/13/13	I/I	SW7471	
SPLP Digestion Mercury	Completed			12/13/13	I/I	E1312/SW7470	
SPLP Extraction for Metals	Completed			12/12/13	I	EPA 1312	
Total Metals Digest	Completed			12/12/13	Z/AG	SW846 - 3050	
Field Extraction	Completed			12/12/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1221	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1232	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1242	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1248	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1254	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1260	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1262	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1268	ND	340	ug/Kg	12/13/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	103		%	12/13/13	AW	30 - 150 %	
% TCMX	100		%	12/13/13	AW	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,1,1-Trichloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	12/13/13	HM	SW8260	
1,1,2-Trichloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,1-Dichloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,1-Dichloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,1-Dichloropropene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2,3-Trichloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2-Dibromoethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2-Dichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2-Dichloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,2-Dichloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,3-Dichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,3-Dichloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
1,4-Dichlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
2,2-Dichloropropane	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
2-Chlorotoluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260	
2-Hexanone	ND	28	ug/Kg	12/13/13	HM	SW8260	

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-BOTTOM

Phoenix I.D.: BF87786

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
2-Isopropyltoluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	12/13/13	HM	SW8260
Acetone	ND	33	ug/Kg	12/13/13	HM	SW8260
Acrylonitrile	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Benzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromochloromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromoform	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Bromomethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Chlorobenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Chloroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Chloroform	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Chloromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	12/13/13	HM	SW8260
Dibromomethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Ethylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
m&p-Xylene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	12/13/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/13/13	HM	SW8260
Methylene chloride	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Naphthalene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
o-Xylene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Styrene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/13/13	HM	SW8260
Toluene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Total Xylenes	ND	5.5	ug/Kg	12/13/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/13/13	HM	SW8260
Trichloroethene	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	12/13/13	HM	SW8260
Vinyl chloride	ND	5.5	ug/Kg	12/13/13	HM	SW8260

QA/QC Surrogates

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-4-BOTTOM

Phoenix I.D.: BF87786

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	103		%	12/13/13	HM	70 - 130 %
% Bromofluorobenzene	91		%	12/13/13	HM	70 - 130 %
% Dibromofluoromethane	101		%	12/13/13	HM	70 - 130 %
% Toluene-d8	99		%	12/13/13	HM	70 - 130 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Anthracene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Chrysene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Fluoranthene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Fluorene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Naphthalene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Phenanthrene	ND	230	ug/Kg	12/13/13	DD	SW 8270
Pyrene	ND	230	ug/Kg	12/13/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	98		%	12/13/13	DD	30 - 130 %
% Nitrobenzene-d5	101		%	12/13/13	DD	30 - 130 %
% Terphenyl-d14	115		%	12/13/13	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	14:00
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87787

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8-NORTH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	12/12/13	I	E160.3
Extraction of CT ETPH	Completed			12/12/13	BS/F	3545
Field Extraction	Completed			12/12/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	50	mg/Kg	12/16/13	KCA	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	KCA	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	82		%	12/16/13	KCA	50 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	12/13/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8-NORTH

Phoenix I.D.: BF87787

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
2-Hexanone	ND	26	ug/Kg	12/13/13	HM	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	12/13/13	HM	SW8260
Acetone	ND	31	ug/Kg	12/13/13	HM	SW8260
Acrylonitrile	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Benzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Bromobenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Bromochloromethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Bromoform	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Bromomethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Chlorobenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Chloroethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Chloroform	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Chloromethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	12/13/13	HM	SW8260
Dibromomethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Ethylbenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
m&p-Xylene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	12/13/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	12/13/13	HM	SW8260
Methylene chloride	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Naphthalene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
o-Xylene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Styrene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	12/13/13	HM	SW8260
Toluene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Total Xylenes	ND	5.2	ug/Kg	12/13/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	12/13/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8-NORTH

Phoenix I.D.: BF87787

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	12/13/13	HM	SW8260
Trichloroethene	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	12/13/13	HM	SW8260
Vinyl chloride	ND	5.2	ug/Kg	12/13/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	103		%	12/13/13	HM	70 - 130 %
% Bromofluorobenzene	94		%	12/13/13	HM	70 - 130 %
% Dibromofluoromethane	108		%	12/13/13	HM	70 - 130 %
% Toluene-d8	98		%	12/13/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	14:03
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87788

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-EAST

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	12/12/13	I	E160.3
Extraction of CT ETPH	Completed			12/12/13	BS/F	3545
Field Extraction	Completed			12/12/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/16/13	KCA	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	KCA	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	62		%	12/16/13	KCA	50 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	12/13/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-EAST

Phoenix I.D.: BF87788

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
2-Hexanone	ND	27	ug/Kg	12/13/13	HM	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	12/13/13	HM	SW8260
Acetone	ND	32	ug/Kg	12/13/13	HM	SW8260
Acrylonitrile	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Benzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Bromobenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Bromochloromethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Bromoform	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Bromomethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Chlorobenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Chloroethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Chloroform	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Chloromethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Dibromochloromethane	ND	3.2	ug/Kg	12/13/13	HM	SW8260
Dibromomethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Ethylbenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
m&p-Xylene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Methyl Ethyl Ketone	ND	32	ug/Kg	12/13/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/13/13	HM	SW8260
Methylene chloride	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Naphthalene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
o-Xylene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Styrene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/13/13	HM	SW8260
Toluene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Total Xylenes	ND	5.3	ug/Kg	12/13/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	12/13/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-EAST

Phoenix I.D.: BF87788

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/13/13	HM	SW8260
Trichloroethene	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	12/13/13	HM	SW8260
Vinyl chloride	ND	5.3	ug/Kg	12/13/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	104		%	12/13/13	HM	70 - 130 %
% Bromofluorobenzene	92		%	12/13/13	HM	70 - 130 %
% Dibromofluoromethane	100		%	12/13/13	HM	70 - 130 %
% Toluene-d8	100		%	12/13/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	14:06
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87789

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-SOUTH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	12/12/13	I	E160.3
Extraction of CT ETPH	Completed			12/12/13	BS/F	3545
Field Extraction	Completed			12/12/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/16/13	KCA	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	KCA	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	81		%	12/16/13	KCA	50 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	12/14/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-SOUTH

Phoenix I.D.: BF87789

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
2-Hexanone	ND	27	ug/Kg	12/14/13	HM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	12/14/13	HM	SW8260
Acetone	ND	32	ug/Kg	12/14/13	HM	SW8260
Acrylonitrile	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Benzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Bromobenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Bromoform	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Bromomethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Chloroethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Chloroform	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Chloromethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Dibromochloromethane	ND	3.2	ug/Kg	12/14/13	HM	SW8260
Dibromomethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Methyl Ethyl Ketone	ND	32	ug/Kg	12/14/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/14/13	HM	SW8260
Methylene chloride	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Naphthalene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
o-Xylene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Styrene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/14/13	HM	SW8260
Toluene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Total Xylenes	ND	5.4	ug/Kg	12/14/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-SOUTH

Phoenix I.D.: BF87789

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/14/13	HM	SW8260
Trichloroethene	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	12/14/13	HM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	12/14/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	102		%	12/14/13	HM	70 - 130 %
% Bromofluorobenzene	90		%	12/14/13	HM	70 - 130 %
% Dibromofluoromethane	87		%	12/14/13	HM	70 - 130 %
% Toluene-d8	96		%	12/14/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	14:09
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87790

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-WEST

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	12/12/13	I	E160.3
Extraction of CT ETPH	Completed			12/12/13	BS/F	3545
Field Extraction	Completed			12/12/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	51	mg/Kg	12/16/13	KCA	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	KCA	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	85		%	12/16/13	KCA	50 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	12/14/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-WEST

Phoenix I.D.: BF87790

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
2-Hexanone	ND	26	ug/Kg	12/14/13	HM	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	12/14/13	HM	SW8260
Acetone	ND	31	ug/Kg	12/14/13	HM	SW8260
Acrylonitrile	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Benzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromochloromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromoform	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Bromomethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Chlorobenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Chloroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Chloroform	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Chloromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	12/14/13	HM	SW8260
Dibromomethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Ethylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
m&p-Xylene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	12/14/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	12/14/13	HM	SW8260
Methylene chloride	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Naphthalene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
o-Xylene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Styrene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	12/14/13	HM	SW8260
Toluene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Total Xylenes	ND	5.2	ug/Kg	12/14/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-WEST

Phoenix I.D.: BF87790

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	12/14/13	HM	SW8260
Trichloroethene	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	12/14/13	HM	SW8260
Vinyl chloride	ND	5.2	ug/Kg	12/14/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	104		%	12/14/13	HM	70 - 130 %
% Bromofluorobenzene	92		%	12/14/13	HM	70 - 130 %
% Dibromofluoromethane	110		%	12/14/13	HM	70 - 130 %
% Toluene-d8	101		%	12/14/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/12/13	14:15
Location Code:	TRC-DAS	Received by:	LB	12/12/13	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C203894.00002				

Laboratory Data

SDG ID: GBF87782
Phoenix ID: BF87791

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-BOTTOM

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.31	0.31	mg/Kg	12/13/13	LK	SW6010
Arsenic	0.9	0.6	mg/Kg	12/13/13	LK	SW6010
Barium	14.8	0.31	mg/Kg	12/13/13	LK	SW6010
Beryllium	< 0.25	0.25	mg/Kg	12/13/13	LK	SW6010
Cadmium	< 0.31	0.31	mg/Kg	12/13/13	LK	SW6010
Chromium	5.10	0.31	mg/Kg	12/13/13	LK	SW6010
Copper	4.41	0.31	mg/kg	12/13/13	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	12/13/13	RS	SW-7471
Nickel	4.32	0.31	mg/Kg	12/13/13	LK	SW6010
Lead	2.87	0.31	mg/Kg	12/13/13	LK	SW6010
Antimony	< 3.1	3.1	mg/Kg	12/13/13	LK	SW6010
Selenium	< 1.3	1.3	mg/Kg	12/13/13	LK	SW6010
SPLP Silver	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	12/13/13	LK	SW6010
SPLP Barium	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Beryllium	< 0.001	0.001	mg/L	12/13/13	LK	SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	12/13/13	LK	SW6010
SPLP Chromium	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Copper	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	12/13/13	RS	1312/SW7470
SPLP Nickel	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Lead	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Antimony	< 0.005	0.005	mg/L	12/13/13	LK	SW6010
SPLP Selenium	< 0.020	0.020	mg/L	12/13/13	LK	SW6010
SPLP Thallium	< 0.005	0.005	mg/L	12/13/13	LK	SW6010
SPLP Vanadium	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
SPLP Zinc	< 0.010	0.010	mg/L	12/13/13	LK	SW6010
Thallium	< 2.8	2.8	mg/Kg	12/13/13	LK	SW6010

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-BOTTOM

Phoenix I.D.: BF87791

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
SPLP Metals Digestion	Completed			12/13/13	I/I	SW846-3005	
Vanadium	12.1	0.31	mg/Kg	12/13/13	LK	SW6010	
Zinc	8.58	0.31	mg/Kg	12/13/13	LK	SW6010	B
Percent Solid	98		%	12/12/13	I	E160.3	
Soil Extraction for PCB	Completed			12/12/13	BB/V	SW3545	
Soil Extraction SVOA PAH	Completed			12/12/13	BJ/FV	SW3545	
Extraction of CT ETPH	Completed			12/13/13	BJ/F	3545	
Mercury Digestion	Completed			12/13/13	I/I	SW7471	
SPLP Digestion Mercury	Completed			12/13/13	I/I	E1312/SW7470	
SPLP Extraction for Metals	Completed			12/12/13	I	EPA 1312	
Total Metals Digest	Completed			12/12/13	Z/AG	SW846 - 3050	
Field Extraction	Completed			12/12/13		SW5035	
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	51	mg/Kg	12/16/13	JRB	CT ETPH/8015	
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015	
QA/QC Surrogates							
% n-Pentacosane	68		%	12/16/13	JRB	50 - 150 %	
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1221	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1232	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1242	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1248	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1254	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1260	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1262	ND	340	ug/Kg	12/13/13	AW	SW 8082	
PCB-1268	ND	340	ug/Kg	12/13/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	102		%	12/13/13	AW	30 - 150 %	
% TCMX	92		%	12/13/13	AW	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,1,1-Trichloroethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	12/14/13	HM	SW8260	
1,1,2-Trichloroethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,1-Dichloroethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,1-Dichloroethene	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,1-Dichloropropene	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2,3-Trichloropropane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2-Dibromoethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2-Dichlorobenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2-Dichloroethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	
1,2-Dichloropropane	ND	6.1	ug/Kg	12/14/13	HM	SW8260	

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-BOTTOM

Phoenix I.D.: BF87791

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
1,3-Dichlorobenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
1,3-Dichloropropane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
1,4-Dichlorobenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
2,2-Dichloropropane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
2-Chlorotoluene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
2-Hexanone	ND	31	ug/Kg	12/14/13	HM	SW8260
2-Isopropyltoluene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
4-Chlorotoluene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
4-Methyl-2-pentanone	ND	31	ug/Kg	12/14/13	HM	SW8260
Acetone	ND	37	ug/Kg	12/14/13	HM	SW8260
Acrylonitrile	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Benzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Bromobenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Bromochloromethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Bromodichloromethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Bromoform	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Bromomethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Carbon Disulfide	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Carbon tetrachloride	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Chlorobenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Chloroethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Chloroform	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Chloromethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Dibromochloromethane	ND	3.7	ug/Kg	12/14/13	HM	SW8260
Dibromomethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Dichlorodifluoromethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Ethylbenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Hexachlorobutadiene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Isopropylbenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
m&p-Xylene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Methyl Ethyl Ketone	ND	37	ug/Kg	12/14/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/14/13	HM	SW8260
Methylene chloride	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Naphthalene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
n-Butylbenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
n-Propylbenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
o-Xylene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
p-Isopropyltoluene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
sec-Butylbenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Styrene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
tert-Butylbenzene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Tetrachloroethene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/14/13	HM	SW8260
Toluene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Total Xylenes	ND	6.1	ug/Kg	12/14/13	HM	SW8260
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	12/14/13	HM	SW8260

Project ID: BROAD ST., MANCHESTER
Client ID: AOC-8A-BOTTOM

Phoenix I.D.: BF87791

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/14/13	HM	SW8260
Trichloroethene	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Trichlorofluoromethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Trichlorotrifluoroethane	ND	6.1	ug/Kg	12/14/13	HM	SW8260
Vinyl chloride	ND	6.1	ug/Kg	12/14/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	104		%	12/14/13	HM	70 - 130 %
% Bromofluorobenzene	97		%	12/14/13	HM	70 - 130 %
% Dibromofluoromethane	99		%	12/14/13	HM	70 - 130 %
% Toluene-d8	100		%	12/14/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/13/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	12/13/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	98		%	12/13/13	DD	30 - 130 %
% Nitrobenzene-d5	94		%	12/13/13	DD	30 - 130 %
% Terphenyl-d14	106		%	12/13/13	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
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QA/QC Report

December 23, 2013

QA/QC Data

SDG I.D.: GBF87782

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 261878, QC Sample No: BF85976 (BF87786, BF87791)													
ICP Metals - SPLP Extraction													
Antimony	BRL	<0.005	<0.005	NC	100	101	1.0	103	101	2.0	75 - 125	20	
Arsenic	BRL	<0.004	<0.004	NC	98.7	99.7	1.0	102	99.6	2.4	75 - 125	20	
Barium	BRL	0.032	0.031	NC	105	102	2.9	103	102	1.0	75 - 125	20	
Beryllium	BRL	<0.001	<0.001	NC	104	101	2.9	102	69.6	37.8	75 - 125	20	m,r
Cadmium	BRL	<0.005	<0.005	NC	100	100	0.0	102	98.5	3.5	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	99.5	100	0.5	101	99.3	1.7	75 - 125	20	
Copper	BRL	0.012	<0.010	NC	106	104	1.9	106	104	1.9	75 - 125	20	
Lead	BRL	0.016	0.016	NC	98.6	98.4	0.2	99.9	98.0	1.9	75 - 125	20	
Nickel	BRL	<0.010	<0.010	NC	102	102	0.0	104	102	1.9	75 - 125	20	
Selenium	BRL	<0.020	<0.020	NC	98.6	98.6	0.0	101	99.3	1.7	75 - 125	20	
Silver	BRL	<0.010	<0.010	NC	101	99.0	2.0	101	99.0	2.0	75 - 125	20	
Thallium	BRL	<0.005	<0.005	NC	99.7	100	0.3	101	99.6	1.4	75 - 125	20	
Vanadium	BRL	<0.010	<0.010	NC	103	100	3.0	102	101	1.0	75 - 125	20	
Zinc	BRL	0.019	0.021	NC	100	101	1.0	103	99.8	3.2	75 - 125	20	
QA/QC Batch 262185, QC Sample No: BF87143 (BF87786, BF87791)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	115	112	2.6	110	106	3.7	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 262183, QC Sample No: BF87691 (BF87786, BF87791)													
Mercury - Soil	BRL	<0.06	<0.06	NC	106	102	3.8	100	118	16.5	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 262139, QC Sample No: BF87786 (BF87786)													
ICP Metals - Soil													
Antimony	BRL	<3.2	<3.2	NC	97.2	93.5	3.9	93.3	94.1	0.9	75 - 125	30	
Arsenic	BRL	0.6	1.04	NC	100	101	1.0	87.7	87.6	0.1	75 - 125	30	
Barium	BRL	20.6	21.1	2.40	102	102	0.0	99.1	100	0.9	75 - 125	30	
Beryllium	BRL	<0.26	<0.26	NC	105	102	2.9	94.1	93.6	0.5	75 - 125	30	
Cadmium	BRL	<0.32	<0.32	NC	107	107	0.0	89.5	89.1	0.4	75 - 125	30	
Chromium	BRL	4.83	4.81	0.40	108	107	0.9	96.5	96.2	0.3	75 - 125	30	
Copper	BRL	3.77	4.08	7.90	109	108	0.9	100	100	0.0	75 - 125	30	
Lead	BRL	2.05	1.94	5.50	109	107	1.9	92.1	92.2	0.1	75 - 125	30	
Nickel	BRL	3.79	3.74	1.30	110	110	0.0	93.3	93.3	0.0	75 - 125	30	
Selenium	BRL	<1.3	<1.3	NC	105	101	3.9	73.5	73.5	0.0	75 - 125	30	m
Silver	BRL	<0.32	<0.32	NC	105	105	0.0	93.0	92.6	0.4	75 - 125	30	
Thallium	BRL	<2.9	<2.9	NC	104	106	1.9	92.2	92.5	0.3	75 - 125	30	
Vanadium	BRL	8.35	7.96	4.80	106	104	1.9	97.8	98.5	0.7	75 - 125	30	
Zinc	0.48	8.44	8.12	3.90	106	105	0.9	92.3	92.7	0.4	75 - 125	30	

QA/QC Data

SDG I.D.: GBF87782

QA/QC Batch 262140, QC Sample No: BF87791 (BF87791)

ICP Metals - Soil

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Antimony	BRL	<3.1	<3.2	NC	101	103	2.0	93.7	95.2	1.6	75 - 125	30	
Arsenic	BRL	0.9	0.88	NC	100	101	1.0	88.2	88.5	0.3	75 - 125	30	
Barium	BRL	14.8	10.1	37.8	100	104	3.9	97.1	98.5	1.4	75 - 125	30	r
Beryllium	BRL	<0.25	<0.26	NC	101	102	1.0	95.0	95.3	0.3	75 - 125	30	
Cadmium	BRL	<0.31	<0.32	NC	105	104	1.0	90.4	91.0	0.7	75 - 125	30	
Chromium	BRL	5.10	5.12	0.40	107	106	0.9	97.4	97.9	0.5	75 - 125	30	
Copper	BRL	4.41	4.53	2.70	106	105	0.9	102	102	0.0	75 - 125	30	
Lead	BRL	2.87	2.90	1.00	106	108	1.9	93.6	94.6	1.1	75 - 125	30	
Nickel	BRL	4.32	4.18	3.30	109	108	0.9	95.1	95.6	0.5	75 - 125	30	
Selenium	BRL	<1.3	<1.3	NC	99.2	101	1.8	74.4	74.5	0.1	75 - 125	30	m
Silver	BRL	<0.31	<0.32	NC	104	105	1.0	93.8	94.3	0.5	75 - 125	30	
Thallium	BRL	<2.8	<2.9	NC	105	104	1.0	93.6	94.5	1.0	75 - 125	30	
Vanadium	BRL	12.1	14.0	14.6	104	105	1.0	99.8	100	0.2	75 - 125	30	
Zinc	0.38	8.58	8.20	4.50	105	104	1.0	95.2	95.2	0.0	75 - 125	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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QA/QC Report

December 23, 2013

QA/QC Data

SDG I.D.: GBF87782

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 262372, QC Sample No: BF87417 (BF87785, BF87786, BF87787, BF87788)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	107	103	3.8	96	96	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	99	100	1.0	87	89	2.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	100	86	15.1	96	90	6.5	70 - 130	30	
1,1,2-Trichloroethane	ND	107	97	9.8	97	96	1.0	70 - 130	30	
1,1-Dichloroethane	ND	94	92	2.2	93	84	10.2	70 - 130	30	
1,1-Dichloroethene	ND	102	108	5.7	93	96	3.2	70 - 130	30	
1,1-Dichloropropene	ND	105	103	1.9	95	101	6.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	121	104	15.1	106	99	6.8	70 - 130	30	
1,2,3-Trichloropropane	ND	106	91	15.2	90	86	4.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	124	112	10.2	111	107	3.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	111	109	1.8	99	103	4.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	121	92	27.2	101	94	7.2	70 - 130	30	
1,2-Dibromoethane	ND	114	96	17.1	98	92	6.3	70 - 130	30	
1,2-Dichlorobenzene	ND	110	103	6.6	99	99	0.0	70 - 130	30	
1,2-Dichloroethane	ND	106	97	8.9	92	88	4.4	70 - 130	30	
1,2-Dichloropropane	ND	102	97	5.0	95	95	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	104	104	0.0	97	103	6.0	70 - 130	30	
1,3-Dichlorobenzene	ND	110	105	4.7	100	101	1.0	70 - 130	30	
1,3-Dichloropropane	ND	110	97	12.6	94	91	3.2	70 - 130	30	
1,4-Dichlorobenzene	ND	107	105	1.9	101	101	0.0	70 - 130	30	
2,2-Dichloropropane	ND	100	98	2.0	87	87	0.0	70 - 130	30	
2-Chlorotoluene	ND	106	106	0.0	100	106	5.8	70 - 130	30	
2-Hexanone	ND	149	118	23.2	93	83	11.4	70 - 130	30	l
2-Isopropyltoluene	ND	104	103	1.0	96	101	5.1	70 - 130	30	
4-Chlorotoluene	ND	108	101	6.7	100	103	3.0	70 - 130	30	
4-Methyl-2-pentanone	ND	123	98	22.6	101	91	10.4	70 - 130	30	
Acetone	ND	127	152	17.9	74	69	7.0	70 - 130	30	l,m
Acrylonitrile	ND	93	77	18.8	96	76	23.3	70 - 130	30	
Benzene	ND	101	99	2.0	97	97	0.0	70 - 130	30	
Bromobenzene	ND	108	106	1.9	101	101	0.0	70 - 130	30	
Bromochloromethane	ND	103	95	8.1	93	92	1.1	70 - 130	30	
Bromodichloromethane	ND	105	98	6.9	93	90	3.3	70 - 130	30	
Bromoform	ND	118	101	15.5	96	92	4.3	70 - 130	30	
Bromomethane	ND	116	104	10.9	80	71	11.9	70 - 130	30	
Carbon Disulfide	ND	101	104	2.9	85	89	4.6	70 - 130	30	
Carbon tetrachloride	ND	107	104	2.8	90	93	3.3	70 - 130	30	
Chlorobenzene	ND	107	104	2.8	95	99	4.1	70 - 130	30	
Chloroethane	ND	109	109	0.0	63	65	3.1	70 - 130	30	m
Chloroform	ND	98	95	3.1	88	86	2.3	70 - 130	30	
Chloromethane	ND	114	104	9.2	95	88	7.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	104	101	2.9	96	94	2.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBF87782

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	107	101	5.8	100	94	6.2	70 - 130	30	
Dibromochloromethane	ND	114	102	11.1	92	93	1.1	70 - 130	30	
Dibromomethane	ND	108	96	11.8	92	88	4.4	70 - 130	30	
Dichlorodifluoromethane	ND	122	123	0.8	102	100	2.0	70 - 130	30	
Ethylbenzene	ND	102	102	0.0	97	102	5.0	70 - 130	30	
Hexachlorobutadiene	ND	112	106	5.5	105	104	1.0	70 - 130	30	
Isopropylbenzene	ND	108	110	1.8	100	104	3.9	70 - 130	30	
m&p-Xylene	ND	105	102	2.9	95	101	6.1	70 - 130	30	
Methyl ethyl ketone	ND	132	99	28.6	82	71	14.4	70 - 130	30	l
Methyl t-butyl ether (MTBE)	ND	107	96	10.8	94	91	3.2	70 - 130	30	
Methylene chloride	ND	81	80	1.2	75	73	2.7	70 - 130	30	
Naphthalene	ND	127	104	19.9	111	108	2.7	70 - 130	30	
n-Butylbenzene	ND	109	106	2.8	99	101	2.0	70 - 130	30	
n-Propylbenzene	ND	113	112	0.9	96	104	8.0	70 - 130	30	
o-Xylene	ND	108	105	2.8	100	105	4.9	70 - 130	30	
p-Isopropyltoluene	ND	109	108	0.9	102	108	5.7	70 - 130	30	
sec-Butylbenzene	ND	103	103	0.0	95	102	7.1	70 - 130	30	
Styrene	ND	104	102	1.9	99	101	2.0	70 - 130	30	
tert-Butylbenzene	ND	110	110	0.0	100	106	5.8	70 - 130	30	
Tetrachloroethene	ND	112	109	2.7	99	107	7.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	103	82	22.7	93	81	13.8	70 - 130	30	
Toluene	ND	102	100	2.0	97	102	5.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	99	101	2.0	90	92	2.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	108	96	11.8	97	93	4.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	107	87	20.6	89	84	5.8	70 - 130	30	
Trichloroethene	ND	105	105	0.0	98	99	1.0	70 - 130	30	
Trichlorofluoromethane	ND	109	109	0.0	52	52	0.0	70 - 130	30	m
Trichlorotrifluoroethane	ND	104	106	1.9	92	97	5.3	70 - 130	30	
Vinyl chloride	ND	108	110	1.8	92	97	5.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	104	105	100	4.9	103	101	2.0	70 - 130	30	
% Bromofluorobenzene	96	102	97	5.0	97	99	2.0	70 - 130	30	
% Dibromofluoromethane	99	102	99	3.0	102	95	7.1	70 - 130	30	
% Toluene-d8	100	100	99	1.0	98	99	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

QA/QC Batch 262030, QC Sample No: BF87431 (BF87786, BF87791)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	95			86	89	3.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93			88	98	10.8	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	101	104			85	113	28.3	30 - 150	30
% TCMX (Surrogate Rec)	91	92			89	87	2.3	30 - 150	30

QA/QC Batch 262038, QC Sample No: BF87479 (BF87786, BF87791)

Polynuclear Aromatic HC - Soil

2-Methylnaphthalene	ND	93	92	1.1	106	106	0.0	30 - 130	30

QA/QC Data

SDG I.D.: GBF87782

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acenaphthene	ND	87	86	1.2	96	96	0.0	30 - 130	30	
Acenaphthylene	ND	96	96	0.0	105	106	0.9	30 - 130	30	
Anthracene	ND	99	99	0.0	106	108	1.9	30 - 130	30	
Benz(a)anthracene	ND	107	108	0.9	115	116	0.9	30 - 130	30	
Benzo(a)pyrene	ND	83	85	2.4	89	90	1.1	30 - 130	30	
Benzo(b)fluoranthene	ND	95	96	1.0	95	98	3.1	30 - 130	30	
Benzo(ghi)perylene	ND	94	95	1.1	92	90	2.2	30 - 130	30	
Benzo(k)fluoranthene	ND	97	100	3.0	105	106	0.9	30 - 130	30	
Chrysene	ND	98	99	1.0	104	106	1.9	30 - 130	30	
Dibenz(a,h)anthracene	ND	104	102	1.9	115	108	6.3	30 - 130	30	
Fluoranthene	ND	105	105	0.0	111	111	0.0	30 - 130	30	
Fluorene	ND	100	99	1.0	110	109	0.9	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	101	99	2.0	108	101	6.7	30 - 130	30	
Naphthalene	ND	96	96	0.0	109	110	0.9	30 - 130	30	
Phenanthrene	ND	102	102	0.0	110	111	0.9	30 - 130	30	
Pyrene	ND	102	103	1.0	110	109	0.9	30 - 130	30	
% 2-Fluorobiphenyl	95	91	91	0.0	101	102	1.0	30 - 130	30	
% Nitrobenzene-d5	98	79	80	1.3	89	90	1.1	30 - 130	30	
% Terphenyl-d14	113	108	110	1.8	115	114	0.9	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 262371, QC Sample No: BF87782 (BF87782, BF87783, BF87784, BF87789, BF87790)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	90	88	2.2	90	89	1.1	70 - 130	30	
1,1,1-Trichloroethane	ND	94	82	13.6	90	83	8.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	87	87	0.0	91	91	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	93	89	4.4	94	89	5.5	70 - 130	30	
1,1-Dichloroethane	ND	92	85	7.9	89	88	1.1	70 - 130	30	
1,1-Dichloroethene	ND	86	89	3.4	89	89	0.0	70 - 130	30	
1,1-Dichloropropene	ND	97	89	8.6	95	92	3.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	91	92	1.1	88	86	2.3	70 - 130	30	
1,2,3-Trichloropropane	ND	93	90	3.3	89	90	1.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	88	0.0	85	83	2.4	70 - 130	30	
1,2,4-Trimethylbenzene	ND	98	100	2.0	91	94	3.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	93	85	9.0	96	87	9.8	70 - 130	30	
1,2-Dibromoethane	ND	94	89	5.5	96	89	7.6	70 - 130	30	
1,2-Dichlorobenzene	ND	89	89	0.0	87	88	1.1	70 - 130	30	
1,2-Dichloroethane	ND	84	82	2.4	87	84	3.5	70 - 130	30	
1,2-Dichloropropane	ND	97	94	3.1	95	94	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	97	97	0.0	93	98	5.2	70 - 130	30	
1,3-Dichlorobenzene	ND	89	90	1.1	86	87	1.2	70 - 130	30	
1,3-Dichloropropane	ND	94	94	0.0	94	92	2.2	70 - 130	30	
1,4-Dichlorobenzene	ND	88	88	0.0	83	85	2.4	70 - 130	30	
2,2-Dichloropropane	ND	97	85	13.2	89	82	8.2	70 - 130	30	
2-Chlorotoluene	ND	96	96	0.0	93	94	1.1	70 - 130	30	
2-Hexanone	ND	123	114	7.6	91	80	12.9	70 - 130	30	
2-Isopropyltoluene	ND	98	98	0.0	94	98	4.2	70 - 130	30	
4-Chlorotoluene	ND	92	93	1.1	89	92	3.3	70 - 130	30	
4-Methyl-2-pentanone	ND	103	97	6.0	97	92	5.3	70 - 130	30	
Acetone	ND	110	106	3.7	63	57	10.0	70 - 130	30	m
Acrylonitrile	ND	86	79	8.5	89	80	10.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBF87782

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzene	ND	94	92	2.2	92	94	2.2	70 - 130	30
Bromobenzene	ND	89	89	0.0	89	91	2.2	70 - 130	30
Bromochloromethane	ND	93	82	12.6	94	84	11.2	70 - 130	30
Bromodichloromethane	ND	92	86	6.7	89	89	0.0	70 - 130	30
Bromoform	ND	94	84	11.2	88	83	5.8	70 - 130	30
Bromomethane	ND	84	89	5.8	79	95	18.4	70 - 130	30
Carbon Disulfide	ND	86	87	1.2	87	88	1.1	70 - 130	30
Carbon tetrachloride	ND	96	83	14.5	93	85	9.0	70 - 130	30
Chlorobenzene	ND	92	91	1.1	89	90	1.1	70 - 130	30
Chloroethane	ND	94	86	8.9	91	90	1.1	70 - 130	30
Chloroform	ND	94	80	16.1	93	84	10.2	70 - 130	30
Chloromethane	ND	95	86	9.9	85	84	1.2	70 - 130	30
cis-1,2-Dichloroethene	ND	100	87	13.9	94	88	6.6	70 - 130	30
cis-1,3-Dichloropropene	ND	98	96	2.1	98	95	3.1	70 - 130	30
Dibromochloromethane	ND	93	90	3.3	91	88	3.4	70 - 130	30
Dibromomethane	ND	91	89	2.2	92	87	5.6	70 - 130	30
Dichlorodifluoromethane	ND	91	78	15.4	79	77	2.6	70 - 130	30
Ethylbenzene	ND	93	92	1.1	92	93	1.1	70 - 130	30
Hexachlorobutadiene	ND	94	96	2.1	88	92	4.4	70 - 130	30
Isopropylbenzene	ND	105	104	1.0	96	101	5.1	70 - 130	30
m&p-Xylene	ND	95	93	2.1	92	94	2.2	70 - 130	30
Methyl ethyl ketone	ND	119	105	12.5	82	70	15.8	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	87	83	4.7	89	86	3.4	70 - 130	30
Methylene chloride	ND	86	79	8.5	86	82	4.8	70 - 130	30
Naphthalene	ND	96	101	5.1	98	96	2.1	70 - 130	30
n-Butylbenzene	ND	100	103	3.0	92	96	4.3	70 - 130	30
n-Propylbenzene	ND	108	107	0.9	94	100	6.2	70 - 130	30
o-Xylene	ND	101	98	3.0	96	95	1.0	70 - 130	30
p-Isopropyltoluene	ND	98	99	1.0	92	97	5.3	70 - 130	30
sec-Butylbenzene	ND	98	98	0.0	94	98	4.2	70 - 130	30
Styrene	ND	100	94	6.2	93	95	2.1	70 - 130	30
tert-Butylbenzene	ND	103	102	1.0	97	101	4.0	70 - 130	30
Tetrachloroethene	ND	96	96	0.0	91	94	3.2	70 - 130	30
Tetrahydrofuran (THF)	ND	95	82	14.7	99	85	15.2	70 - 130	30
Toluene	ND	95	91	4.3	94	93	1.1	70 - 130	30
trans-1,2-Dichloroethene	ND	92	85	7.9	89	90	1.1	70 - 130	30
trans-1,3-Dichloropropene	ND	92	88	4.4	96	90	6.5	70 - 130	30
trans-1,4-dichloro-2-butene	ND	93	93	0.0	91	92	1.1	70 - 130	30
Trichloroethene	ND	95	92	3.2	92	94	2.2	70 - 130	30
Trichlorofluoromethane	ND	91	87	4.5	88	91	3.4	70 - 130	30
Trichlorotrifluoroethane	ND	97	93	4.2	90	93	3.3	70 - 130	30
Vinyl chloride	ND	101	92	9.3	90	88	2.2	70 - 130	30
% 1,2-dichlorobenzene-d4	99	99	100	1.0	101	98	3.0	70 - 130	30
% Bromofluorobenzene	93	99	97	2.0	99	95	4.1	70 - 130	30
% Dibromofluoromethane	92	103	90	13.5	107	91	16.2	70 - 130	30
% Toluene-d8	95	102	100	2.0	104	100	3.9	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

QA/QC Batch 262134, QC Sample No: BF87790 (BF87782, BF87783, BF87784, BF87785, BF87787, BF87788, BF87789, BF87790)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	65	60	8.0	69	61	12.3	60 - 120	30
% n-Pentacosane	85	79	70	12.1	79	73	7.9	50 - 150	30

QA/QC Data

SDG I.D.: GBF87782

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 262142, QC Sample No: BF87916 (BF87791)										
TPH by GC (Extractable Products) - Soil										
Ext. Petroleum HC	ND	69	65	6.0	76	71	6.8	60 - 120	30	
% n-Pentacosane	73	85	79	7.3	96	92	4.3	50 - 150	30	
QA/QC Batch 262390, QC Sample No: BF88222 (BF87791)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	101	104	2.9	103	107	3.8	70 - 130	30	
1,1,1-Trichloroethane	ND	97	101	4.0	103	104	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	94	89	5.5	88	84	4.7	70 - 130	30	
1,1,2-Trichloroethane	ND	103	102	1.0	97	96	1.0	70 - 130	30	
1,1-Dichloroethane	ND	97	93	4.2	97	93	4.2	70 - 130	30	
1,1-Dichloroethene	ND	99	105	5.9	109	110	0.9	70 - 130	30	
1,1-Dichloropropene	ND	100	105	4.9	105	112	6.5	70 - 130	30	
1,2,3-Trichlorobenzene	ND	109	102	6.6	106	106	0.0	70 - 130	30	
1,2,3-Trichloropropane	ND	100	94	6.2	89	86	3.4	70 - 130	30	
1,2,4-Trichlorobenzene	ND	106	105	0.9	116	115	0.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	104	108	3.8	101	109	7.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	113	99	13.2	100	93	7.3	70 - 130	30	
1,2-Dibromoethane	ND	106	102	3.8	102	96	6.1	70 - 130	30	
1,2-Dichlorobenzene	ND	100	101	1.0	100	103	3.0	70 - 130	30	
1,2-Dichloroethane	ND	103	100	3.0	111	107	3.7	70 - 130	30	
1,2-Dichloropropane	ND	96	97	1.0	92	96	4.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	98	103	5.0	99	108	8.7	70 - 130	30	
1,3-Dichlorobenzene	ND	98	102	4.0	100	107	6.8	70 - 130	30	
1,3-Dichloropropane	ND	101	97	4.0	95	91	4.3	70 - 130	30	
1,4-Dichlorobenzene	ND	98	102	4.0	102	106	3.8	70 - 130	30	
2,2-Dichloropropane	ND	98	103	5.0	97	101	4.0	70 - 130	30	
2-Chlorotoluene	ND	100	104	3.9	96	106	9.9	70 - 130	30	
2-Hexanone	ND	130	126	3.1	88	79	10.8	70 - 130	30	
2-Isopropyltoluene	ND	99	103	4.0	99	107	7.8	70 - 130	30	
4-Chlorotoluene	ND	95	103	8.1	96	105	9.0	70 - 130	30	
4-Methyl-2-pentanone	ND	119	102	15.4	97	89	8.6	70 - 130	30	
Acetone	ND	109	163	39.7	75	78	3.9	70 - 130	30	l,r
Acrylonitrile	ND	106	83	24.3	87	79	9.6	70 - 130	30	
Benzene	ND	94	97	3.1	94	99	5.2	70 - 130	30	
Bromobenzene	ND	101	104	2.9	97	101	4.0	70 - 130	30	
Bromochloromethane	ND	99	97	2.0	93	88	5.5	70 - 130	30	
Bromodichloromethane	ND	100	100	0.0	105	105	0.0	70 - 130	30	
Bromoform	ND	111	103	7.5	105	99	5.9	70 - 130	30	
Bromomethane	ND	109	98	10.6	90	77	15.6	70 - 130	30	
Carbon Disulfide	ND	94	102	8.2	95	99	4.1	70 - 130	30	
Carbon tetrachloride	ND	101	107	5.8	113	121	6.8	70 - 130	30	
Chlorobenzene	ND	100	105	4.9	102	105	2.9	70 - 130	30	
Chloroethane	ND	101	104	2.9	87	87	0.0	70 - 130	30	
Chloroform	ND	95	95	0.0	98	97	1.0	70 - 130	30	
Chloromethane	ND	102	96	6.1	85	86	1.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	96	101	5.1	94	94	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	99	100	1.0	100	101	1.0	70 - 130	30	
Dibromochloromethane	ND	108	104	3.8	104	100	3.9	70 - 130	30	
Dibromomethane	ND	103	96	7.0	101	94	7.2	70 - 130	30	
Dichlorodifluoromethane	ND	105	108	2.8	103	109	5.7	70 - 130	30	
Ethylbenzene	ND	98	101	3.0	100	109	8.6	70 - 130	30	

QA/QC Data

SDG I.D.: GBF87782

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Hexachlorobutadiene	ND	105	109	3.7	115	121	5.1	70 - 130	30	
Isopropylbenzene	ND	102	112	9.3	96	109	12.7	70 - 130	30	
m&p-Xylene	ND	98	104	5.9	101	108	6.7	70 - 130	30	
Methyl ethyl ketone	ND	128	118	8.1	78	69	12.2	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	102	98	4.0	107	101	5.8	70 - 130	30	
Methylene chloride	ND	77	81	5.1	81	77	5.1	70 - 130	30	
Naphthalene	ND	117	106	9.9	107	103	3.8	70 - 130	30	
n-Butylbenzene	ND	102	106	3.8	103	113	9.3	70 - 130	30	
n-Propylbenzene	ND	105	115	9.1	97	109	11.7	70 - 130	30	
o-Xylene	ND	101	106	4.8	103	111	7.5	70 - 130	30	
p-Isopropyltoluene	ND	101	107	5.8	103	113	9.3	70 - 130	30	
sec-Butylbenzene	ND	98	104	5.9	97	110	12.6	70 - 130	30	
Styrene	ND	98	101	3.0	102	106	3.8	70 - 130	30	
tert-Butylbenzene	ND	104	111	6.5	101	111	9.4	70 - 130	30	
Tetrachloroethene	ND	102	111	8.5	103	116	11.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	105	89	16.5	90	78	14.3	70 - 130	30	
Toluene	ND	97	102	5.0	97	105	7.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	95	101	6.1	99	101	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	99	3.0	105	101	3.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	98	88	10.8	82	79	3.7	70 - 130	30	
Trichloroethene	ND	101	108	6.7	99	109	9.6	70 - 130	30	
Trichlorofluoromethane	ND	106	113	6.4	72	75	4.1	70 - 130	30	
Trichlorotrifluoroethane	ND	105	113	7.3	111	118	6.1	70 - 130	30	
Vinyl chloride	ND	101	105	3.9	90	97	7.5	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	105	101	3.9	101	101	0.0	70 - 130	30	
% Bromofluorobenzene	95	100	99	1.0	105	103	1.9	70 - 130	30	
% Dibromofluoromethane	101	97	95	2.1	102	92	10.3	70 - 130	30	
% Toluene-d8	99	97	97	0.0	99	100	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 23, 2013

Monday, December 23, 2013

Requested Criteria: GAM, RC

State: CT

Sample Criteria Exceedences Report

GBF87782 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** AOC-4-NORTH

Project Location: BROAD ST., MANCHESTER **Project Number:**

Laboratory Sample ID(s): BF87782, BF87783, BF87784, BF87785, BF87786, BF87787, BF87788, BF87789, BF87790, BF87791

Sampling Date(s): 12/12/2013

RCP Methods Used:

☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☑ 8260 ☑ 8270 ☑ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ICP Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: _____

Date: Monday, December 23, 2013

Printed Name: Maryam Taylor

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 23, 2013

SDG I.D.: GBF87782

8270 Semi-volatile Organics:
Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Aufid-d1 12/16/13-2 (BF87791)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/16/2013

Instrument: Au-xl2 12/13/13-2 (BF87782, BF87783, BF87784, BF87785, BF87787, BF87788, BF87789, BF87790)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Keith Aloisa
Position: Chemist
Date: 12/13/2013

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RCP Certification Report

December 23, 2013

SDG I.D.: GBF87782

QC (Site Specific)

---------- Sample No: BF87790, QA/QC Batch: 262134 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 50 - 150 with the following exceptions: None.

All MSD recoveries were within 50 - 150 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BF87916, QA/QC Batch: 262142 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 12/12/13-1 (BF87786, BF87791)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 12/12/2013

Instrument: Merlin 12/13/13-1 (BF87786, BF87791)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.

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December 23, 2013

SDG I.D.: GBF87782

All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 12/13/2013

QC (Batch Specific)

---------- Sample No: BF87143, QA/QC Batch: 262185 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BF87691, QA/QC Batch: 262183 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 262139 (Samples: BF87786): -----

A trace amount of an analyte was found in blank. Due to the concentration in the blank relative to the samples, no bias is suspected. (Soil-Zinc(BF87786))

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias is likely. (Selenium)

QC Batch 262140 (Samples: BF87791): -----

A trace amount of an analyte was found in blank. Due to the concentration in the blank relative to the samples, no bias is suspected. (Soil-Zinc(BF87791))

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias is likely. (Selenium)

Instrument: Arcos 12/13/13-1 (BF87786, BF87791)

The initial calibration met criteria.

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SDG I.D.: GBF87782

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 12/13/2013

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 23, 2013

SDG I.D.: GBF87782

QC (Site Specific)

---------- Sample No: BF87786, QA/QC Batch: 262139 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: Selenium(73.5%)

All MSD recoveries were within 75 - 125 with the following exceptions: Selenium(73.5%)

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BF87791, QA/QC Batch: 262140 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: Selenium(74.4%)

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BF85976, QA/QC Batch: 261878 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

PAH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem07 12/12/13-1 (BF87786, BF87791)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

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SDG I.D.: GBF87782

If PAH/base neutral were requested, Phoenix utilized a method that contained a shortened list , so some of the compounds in the narrative may be non-applicable.Initial Calibration Verification (CHEM07/BN_1204):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM07/1212_04-BN_1204):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 12/12/2013

QC (Batch Specific)

---------- Sample No: BF87479, QA/QC Batch: 262038 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd6 12/13/13-1 (BF87791)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 12/13/2013

Instrument: Au-ecd7 12/13/13-1 (BF87786)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

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SDG I.D.: GBF87782

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 12/13/2013

QC (Batch Specific)

---------- Sample No: BF87431, QA/QC Batch: 262030 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 262371 (Samples: BF87782, BF87783, BF87784, BF87789, BF87790): -----

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias is likely. (Acetone)

QC Batch 262372 (Samples: BF87785, BF87786, BF87787, BF87788): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Acetone, 2-Hexanone, Methyl ethyl ketone)

QC Batch 262390 (Samples: BF87791): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Acetone)

Instrument: Chem15 12/13/13-1 (BF87785, BF87786, BF87787, BF87788)

Initial Calibration Verification (CHEM15/RCPS_1211D):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (23%), Methylene Chloride (23%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM15/1213B07-RCPS_1211D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM15/1213B08-RCPS_1211D):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: Acetone (-42%)[30%]
The following compounds did not meet maximum % deviations: None.

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SDG I.D.: GBF87782

The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Harry Mullin
Position: Chemist
Date: 12/13/2013

Instrument: Chem15 12/13/13-2 (BF87791)

Initial Calibration Verification (CHEM15/RCPS_1211D):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (23%), Methylene Chloride (23%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM15/1213B47-RCPS_1211D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM15/1213B48-RCPS_1211D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Harry Mullin
Position: Chemist
Date: 12/13/2013

Instrument: Chem18 12/13/13-2 (BF87782, BF87783, BF87784, BF87789, BF87790)

Initial Calibration Verification (CHEM18/RCPS_1213D):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (26%), Naphthalene (23%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM18/1213M49-RCPS_1213D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM18/1213M50-RCPS_1213D):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following

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SDG I.D.: GBF87782

compounds did not meet % deviation criteria: Acrolein (34%)[30%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Harry Mullin
Position: Chemist
Date: 12/13/2013

QC (Site Specific)

---------- Sample No: BF87782, QA/QC Batch: 262371 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 70 - 130 with the following exceptions: Acetone(63%)

All MSD recoveries were within 70 - 130 with the following exceptions: Acetone(57%)

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BF87417, QA/QC Batch: 262372 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 2-Hexanone(149%), Methyl ethyl ketone(132%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(152%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BF88222, QA/QC Batch: 262390 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(163%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Acetone(39.7%)

Temperature Narration

The samples in this delivery group were received at 1°C.

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RCP Certification Report

December 23, 2013

SDG I.D.: GBF87782

(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [✓] No [ ]
Coolant: IPK [✓] ICE [✓] No [ ]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp | °C Pg of

Contact Options:
[X] Fax: (860) 298-6399
[X] Phone: (860) 298-9692
[X] Email: sfarrick@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: Broad Street Manchester CT
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O: 203894.00002

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 12/12/13

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrx	Date Sampled	Time Sampled	VOCs	CT ETPH	PAHs	PCBs	Total RSK 15 metals	SPLP RSR 15 metals	Soil VOA Vials[1] methanol [2] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
87782	AOC-4-North	S	12/12/13	1335	X	X					3	1								4
87783	AOC-4-East			1340	X	X					3	1								4
87784	AOC-4-South			1345	X	X					3	1								4
87785	AOC-4-West			1350	X	X					3	1								4
87786	AOC-4-Bottom			1355	X	X	X	X	X	X	3	1								4
87787	AOC-8a-North			1400		X						1								1
87788	AOC-8a-East			1403		X						1								1
87789	AOC-8a-South			1406		X						1								1
87790	AOC-8a-West			1409		X						1								1
87791	AOC-8a-Bottom			1415	X	X	X	X	X	X	3	1								4
																				28

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/12/13	15:02

Comments, Special Requirements or Regulations:

Note: Use DAS rates for Town of Manchester DPW.

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[X] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 24, 2013

Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: NICHOLS PROPERTY
Sample ID#s: BF90119 - BF90124

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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Environmental Laboratories, Inc.
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Analysis Report

December 24, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/18/13	9:40
Location Code:	TRC-DAS	Received by:	SW	12/18/13	12:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894000002				

Laboratory Data

SDG ID: GBF90119
Phoenix ID: BF90119

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-N

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	mg/Kg	12/19/13	LK	SW6010	
Arsenic	1.2	0.7	mg/Kg	12/19/13	LK	SW6010	
Barium	29.5	0.36	mg/Kg	12/19/13	LK	SW6010	
Beryllium	< 0.29	0.29	mg/Kg	12/19/13	LK	SW6010	
Cadmium	0.72	0.36	mg/Kg	12/19/13	LK	SW6010	
Chromium	11.0	0.36	mg/Kg	12/19/13	LK	SW6010	
Copper	264	3.6	mg/kg	12/19/13	LK	SW6010	
Mercury	< 0.08	0.08	mg/Kg	12/19/13	RS	SW-7471	
Nickel	7.79	0.36	mg/Kg	12/19/13	LK	SW6010	
Lead	312	3.6	mg/Kg	12/19/13	LK	SW6010	
Antimony	< 3.6	3.6	mg/Kg	12/19/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	12/19/13	LK	SW6010	
TCLP Silver	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Arsenic	0.02	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Barium	0.44	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Cadmium	0.022	0.005	mg/L	12/19/13	LK	SW6010	
TCLP Chromium	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	mg/L	12/19/13	RS	SW7470	
TCLP Lead	4.26	0.10	mg/L	12/19/13	LK	SW6010	
TCLP Selenium	< 0.01	0.01	mg/L	12/19/13	LK	SW6010	
Thallium	< 3.3	3.3	mg/Kg	12/19/13	LK	SW6010	
TCLP Metals Digestion	Completed			12/19/13	I/I	SW846 - 3005	
Vanadium	16.0	0.36	mg/Kg	12/19/13	LK	SW6010	
Zinc	79.5	0.36	mg/Kg	12/19/13	LK	SW6010	B
Percent Solid	94		%	12/18/13	I	E160.3	
Soil Extraction SVOA PAH	Completed			12/18/13	JJ/FV	SW3545	
Extraction of CT ETPH	Completed			12/18/13	BJ/F	3545	
Mercury Digestion	Completed			12/19/13	I/I	SW7471	

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-N

Phoenix I.D.: BF90119

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Digestion Mercury	Completed			12/19/13	I/I	E1311/7470
TCLP Extraction for Metals	Completed			12/18/13	I	EPA 1311
Total Metals Digest	Completed			12/18/13	Z/AG/W	SW846 - 3050
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/19/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/19/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	81		%	12/19/13	JRB	50 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	12/19/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	97		%	12/19/13	DD	30 - 130 %
% Nitrobenzene-d5	83		%	12/19/13	DD	30 - 130 %
% Terphenyl-d14	90		%	12/19/13	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 24, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 24, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/18/13	9:45
Location Code:	TRC-DAS	Received by:	SW	12/18/13	12:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894000002				

Laboratory Data

SDG ID: GBF90119
Phoenix ID: BF90120

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-E

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.90	0.90	mg/Kg	12/19/13	LK	SW6010	
Arsenic	1.5	0.7	mg/Kg	12/19/13	LK	SW6010	
Barium	54.8	0.36	mg/Kg	12/19/13	LK	SW6010	
Beryllium	< 0.29	0.29	mg/Kg	12/19/13	LK	SW6010	
Cadmium	1.43	0.36	mg/Kg	12/19/13	LK	SW6010	
Chromium	12.3	0.36	mg/Kg	12/19/13	LK	SW6010	
Copper	538	3.6	mg/kg	12/19/13	LK	SW6010	
Mercury	< 0.08	0.08	mg/Kg	12/19/13	RS	SW-7471	
Nickel	8.91	0.36	mg/Kg	12/19/13	LK	SW6010	
Lead	977	3.6	mg/Kg	12/19/13	LK	SW6010	
Antimony	< 3.6	3.6	mg/Kg	12/19/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	12/19/13	LK	SW6010	
TCLP Silver	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Arsenic	0.02	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Barium	0.49	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Cadmium	0.034	0.005	mg/L	12/19/13	LK	SW6010	
TCLP Chromium	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	mg/L	12/19/13	RS	SW7470	
TCLP Lead	16.1	0.10	mg/L	12/19/13	LK	SW6010	
TCLP Selenium	< 0.01	0.01	mg/L	12/19/13	LK	SW6010	
Thallium	< 3.3	3.3	mg/Kg	12/19/13	LK	SW6010	
TCLP Metals Digestion	Completed			12/19/13	I/I	SW846 - 3005	
Vanadium	13.3	0.36	mg/Kg	12/19/13	LK	SW6010	
Zinc	222	3.6	mg/Kg	12/19/13	LK	SW6010	B
Percent Solid	89		%	12/18/13	I	E160.3	
Soil Extraction SVOA PAH	Completed			12/18/13	JJ/FV	SW3545	
Extraction of CT ETPH	Completed			12/18/13	BJ/F	3545	
Mercury Digestion	Completed			12/19/13	I/I	SW7471	

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-E

Phoenix I.D.: BF90120

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Digestion Mercury	Completed			12/19/13	I/I	E1311/7470
TCLP Extraction for Metals	Completed			12/18/13	I	EPA 1311
Total Metals Digest	Completed			12/18/13	Z/AG/W	SW846 - 3050
TPH by GC (Extractable Products)						
Ext. Petroleum HC	140	55	mg/Kg	12/19/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/19/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	88		%	12/19/13	JRB	50 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Anthracene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Benzo(b)fluoranthene	340	260	ug/Kg	12/19/13	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Chrysene	270	260	ug/Kg	12/19/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Fluoranthene	320	260	ug/Kg	12/19/13	DD	SW 8270
Fluorene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Naphthalene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Phenanthrene	ND	260	ug/Kg	12/19/13	DD	SW 8270
Pyrene	270	260	ug/Kg	12/19/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	95		%	12/19/13	DD	30 - 130 %
% Nitrobenzene-d5	81		%	12/19/13	DD	30 - 130 %
% Terphenyl-d14	86		%	12/19/13	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 24, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 24, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/18/13	9:50
Location Code:	TRC-DAS	Received by:	SW	12/18/13	12:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894000002				

Laboratory Data

SDG ID: GBF90119
Phoenix ID: BF90121

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-S

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	12/19/13	LK	SW6010	
Arsenic	1.4	0.7	mg/Kg	12/19/13	LK	SW6010	
Barium	30.5	0.37	mg/Kg	12/19/13	LK	SW6010	
Beryllium	< 0.30	0.30	mg/Kg	12/19/13	LK	SW6010	
Cadmium	1.27	0.37	mg/Kg	12/19/13	LK	SW6010	
Chromium	10.0	0.37	mg/Kg	12/19/13	LK	SW6010	
Copper	348	3.7	mg/kg	12/19/13	LK	SW6010	
Mercury	< 0.08	0.08	mg/Kg	12/19/13	RS	SW-7471	
Nickel	7.14	0.37	mg/Kg	12/19/13	LK	SW6010	
Lead	3580	36	mg/Kg	12/20/13	LK	SW6010	
Antimony	< 3.7	3.7	mg/Kg	12/19/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	12/19/13	LK	SW6010	
TCLP Silver	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Arsenic	0.02	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Barium	0.53	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Cadmium	0.044	0.005	mg/L	12/19/13	LK	SW6010	
TCLP Chromium	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	mg/L	12/19/13	RS	SW7470	
TCLP Lead	13.2	0.10	mg/L	12/20/13	LK	SW6010	
TCLP Selenium	< 0.01	0.01	mg/L	12/19/13	LK	SW6010	
Thallium	< 3.4	3.4	mg/Kg	12/19/13	LK	SW6010	
TCLP Metals Digestion	Completed			12/20/13	I/I	SW846 - 3005	
Vanadium	15.8	0.37	mg/Kg	12/19/13	LK	SW6010	
Zinc	105	0.37	mg/Kg	12/19/13	LK	SW6010	B
Percent Solid	94		%	12/18/13	I	E160.3	
Soil Extraction SVOA PAH	Completed			12/18/13	JJ/FV	SW3545	
Extraction of CT ETPH	Completed			12/18/13	BJ/F	3545	
Mercury Digestion	Completed			12/19/13	I/I	SW7471	

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-S

Phoenix I.D.: BF90121

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Digestion Mercury	Completed			12/19/13	I/I	E1311/7470
TCLP Extraction for Metals	Completed			12/19/13	I	EPA 1311
Total Metals Digest	Completed			12/19/13	Z/AG	SW846 - 3050
TPH by GC (Extractable Products)						
Ext. Petroleum HC	140	53	mg/Kg	12/19/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/19/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	80		%	12/19/13	JRB	50 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	12/19/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	12/19/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	106		%	12/19/13	DD	30 - 130 %
% Nitrobenzene-d5	79		%	12/19/13	DD	30 - 130 %
% Terphenyl-d14	83		%	12/19/13	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 24, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 24, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/18/13	9:55
Location Code:	TRC-DAS	Received by:	SW	12/18/13	12:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894000002				

Laboratory Data

SDG ID: GBF90119
Phoenix ID: BF90122

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-W

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.50	0.50	mg/Kg	12/19/13	LK	SW6010	
Arsenic	1.1	0.7	mg/Kg	12/19/13	LK	SW6010	
Barium	25.0	0.33	mg/Kg	12/19/13	LK	SW6010	
Beryllium	< 0.27	0.27	mg/Kg	12/19/13	LK	SW6010	
Cadmium	1.23	0.33	mg/Kg	12/19/13	LK	SW6010	
Chromium	8.76	0.33	mg/Kg	12/19/13	LK	SW6010	
Copper	340	3.3	mg/kg	12/19/13	LK	SW6010	
Mercury	< 0.07	0.07	mg/Kg	12/19/13	RS	SW-7471	
Nickel	7.59	0.33	mg/Kg	12/19/13	LK	SW6010	
Lead	810	3.3	mg/Kg	12/19/13	LK	SW6010	
Antimony	< 3.3	3.3	mg/Kg	12/19/13	LK	SW6010	
Selenium	< 1.3	1.3	mg/Kg	12/19/13	LK	SW6010	
TCLP Silver	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Arsenic	0.02	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Barium	0.55	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Cadmium	0.047	0.005	mg/L	12/19/13	LK	SW6010	
TCLP Chromium	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	mg/L	12/19/13	RS	SW7470	
TCLP Lead	24.4	1.0	mg/L	12/19/13	LK	SW6010	
TCLP Selenium	< 0.01	0.01	mg/L	12/19/13	LK	SW6010	
Thallium	< 3.0	3.0	mg/Kg	12/19/13	LK	SW6010	
TCLP Metals Digestion	Completed			12/19/13	I/I	SW846 - 3005	
Vanadium	11.9	0.33	mg/Kg	12/19/13	LK	SW6010	
Zinc	313	3.3	mg/Kg	12/19/13	LK	SW6010	B
Percent Solid	95		%	12/18/13	I	E160.3	
Soil Extraction SVOA PAH	Completed			12/18/13	JJ/FV	SW3545	
Extraction of CT ETPH	Completed			12/18/13	BJ/F	3545	
Mercury Digestion	Completed			12/19/13	I/I	SW7471	

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-W

Phoenix I.D.: BF90122

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Digestion Mercury	Completed			12/19/13	I/I	E1311/7470
TCLP Extraction for Metals	Completed			12/18/13	I	EPA 1311
Total Metals Digest	Completed			12/18/13	Z/AG	SW846 - 3050
TPH by GC (Extractable Products)						
Ext. Petroleum HC	130	51	mg/Kg	12/19/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/19/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	93		%	12/19/13	JRB	50 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Benzo(b)fluoranthene	260	240	ug/Kg	12/19/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	12/19/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	94		%	12/19/13	DD	30 - 130 %
% Nitrobenzene-d5	77		%	12/19/13	DD	30 - 130 %
% Terphenyl-d14	96		%	12/19/13	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 24, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 24, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/18/13	10:00
Location Code:	TRC-DAS	Received by:	SW	12/18/13	12:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894000002				

Laboratory Data

SDG ID: GBF90119
Phoenix ID: BF90123

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-BOTTOM

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	mg/Kg	12/19/13	LK	SW6010	
Arsenic	1.1	0.7	mg/Kg	12/19/13	LK	SW6010	
Barium	24.6	0.36	mg/Kg	12/19/13	LK	SW6010	
Beryllium	< 0.29	0.29	mg/Kg	12/19/13	LK	SW6010	
Cadmium	1.49	0.36	mg/Kg	12/19/13	LK	SW6010	
Chromium	9.98	0.36	mg/Kg	12/19/13	LK	SW6010	
Copper	86.2	0.36	mg/kg	12/19/13	LK	SW6010	
Mercury	< 0.08	0.08	mg/Kg	12/19/13	RS	SW-7471	
Nickel	5.95	0.36	mg/Kg	12/19/13	LK	SW6010	
Lead	116	0.36	mg/Kg	12/19/13	LK	SW6010	
Antimony	< 3.6	3.6	mg/Kg	12/19/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	12/19/13	LK	SW6010	
TCLP Silver	< 0.010	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Arsenic	0.02	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Barium	0.35	0.01	mg/L	12/19/13	LK	SW6010	
TCLP Cadmium	0.014	0.005	mg/L	12/19/13	LK	SW6010	
TCLP Chromium	0.016	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	mg/L	12/19/13	RS	SW7470	
TCLP Lead	0.889	0.010	mg/L	12/19/13	LK	SW6010	
TCLP Selenium	< 0.01	0.01	mg/L	12/19/13	LK	SW6010	
Thallium	< 3.3	3.3	mg/Kg	12/19/13	LK	SW6010	
TCLP Metals Digestion	Completed			12/19/13	I/I	SW846 - 3005	
Vanadium	16.1	0.36	mg/Kg	12/19/13	LK	SW6010	
Zinc	49.9	0.36	mg/Kg	12/19/13	LK	SW6010	B
Percent Solid	94		%	12/18/13	I	E160.3	
Soil Extraction for PCB	Completed			12/18/13	BB/V	SW3545	
Soil Extraction SVOA PAH	Completed			12/18/13	JJ/FV	SW3545	
Extraction of CT ETPH	Completed			12/18/13	BJ/F	3545	

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-BOTTOM

Phoenix I.D.: BF90123

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Mercury Digestion	Completed			12/19/13	I/I	SW7471
TCLP Digestion Mercury	Completed			12/19/13	I/I	E1311/7470
TCLP Extraction for Metals	Completed			12/18/13	I	EPA 1311
Total Metals Digest	Completed			12/18/13	Z/AG/W	SW846 - 3050
Field Extraction	Completed			12/18/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/19/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/19/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	84		%	12/19/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	350	ug/Kg	12/19/13	AW	SW 8082
PCB-1221	ND	350	ug/Kg	12/19/13	AW	SW 8082
PCB-1232	ND	350	ug/Kg	12/19/13	AW	SW 8082
PCB-1242	ND	350	ug/Kg	12/19/13	AW	SW 8082
PCB-1248	ND	350	ug/Kg	12/19/13	AW	SW 8082
PCB-1254	ND	350	ug/Kg	12/19/13	AW	SW 8082
PCB-1260	ND	350	ug/Kg	12/19/13	AW	SW 8082
PCB-1262	ND	350	ug/Kg	12/19/13	AW	SW 8082
PCB-1268	ND	350	ug/Kg	12/19/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	96		%	12/19/13	AW	30 - 150 %
% TCMX	104		%	12/19/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,1,1-Trichloroethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	ug/Kg	12/19/13	RM	SW8260
1,1,2-Trichloroethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,1-Dichloroethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,1-Dichloroethene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,1-Dichloropropene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,2,3-Trichlorobenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,2,3-Trichloropropane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,2,4-Trichlorobenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,2,4-Trimethylbenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,2-Dibromoethane	ND	7	ug/Kg	12/19/13	RM	SW8260
1,2-Dichlorobenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,2-Dichloroethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,2-Dichloropropane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,3,5-Trimethylbenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,3-Dichlorobenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,3-Dichloropropane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
1,4-Dichlorobenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
2,2-Dichloropropane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
2-Chlorotoluene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
2-Hexanone	ND	47	ug/Kg	12/19/13	RM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-BOTTOM

Phoenix I.D.: BF90123

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
2-Isopropyltoluene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
4-Chlorotoluene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
4-Methyl-2-pentanone	ND	47	ug/Kg	12/19/13	RM	SW8260
Acetone	ND	56	ug/Kg	12/19/13	RM	SW8260
Acrylonitrile	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Benzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Bromobenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Bromochloromethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Bromodichloromethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Bromoform	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Bromomethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Carbon Disulfide	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Carbon tetrachloride	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Chlorobenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Chloroethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Chloroform	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Chloromethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
cis-1,2-Dichloroethene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
cis-1,3-Dichloropropene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Dibromochloromethane	ND	5.6	ug/Kg	12/19/13	RM	SW8260
Dibromomethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Dichlorodifluoromethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Ethylbenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Hexachlorobutadiene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Isopropylbenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
m&p-Xylene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Methyl Ethyl Ketone	ND	56	ug/Kg	12/19/13	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	19	ug/Kg	12/19/13	RM	SW8260
Methylene chloride	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Naphthalene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
n-Butylbenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
n-Propylbenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
o-Xylene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
p-Isopropyltoluene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
sec-Butylbenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Styrene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
tert-Butylbenzene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Tetrachloroethene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Tetrahydrofuran (THF)	ND	19	ug/Kg	12/19/13	RM	SW8260
Toluene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Total Xylenes	ND	9.3	ug/Kg	12/19/13	RM	SW8260
trans-1,2-Dichloroethene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
trans-1,3-Dichloropropene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
trans-1,4-dichloro-2-butene	ND	19	ug/Kg	12/19/13	RM	SW8260
Trichloroethene	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Trichlorofluoromethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Trichlorotrifluoroethane	ND	9.3	ug/Kg	12/19/13	RM	SW8260
Vinyl chloride	ND	9.3	ug/Kg	12/19/13	RM	SW8260

QA/QC Surrogates

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-BOTTOM

Phoenix I.D.: BF90123

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	96		%	12/19/13	RM	70 - 130 %
% Bromofluorobenzene	95		%	12/19/13	RM	70 - 130 %
% Dibromofluoromethane	98		%	12/19/13	RM	70 - 130 %
% Toluene-d8	99		%	12/19/13	RM	70 - 130 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Benzo(b)fluoranthene	350	240	ug/Kg	12/19/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Fluoranthene	310	240	ug/Kg	12/19/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/19/13	DD	SW 8270
Pyrene	250	240	ug/Kg	12/19/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	79		%	12/19/13	DD	30 - 130 %
% Nitrobenzene-d5	64		%	12/19/13	DD	30 - 130 %
% Terphenyl-d14	77		%	12/19/13	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 24, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 24, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/18/13	10:15
Location Code:	TRC-DAS	Received by:	SW	12/18/13	12:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894000002				

Laboratory Data

SDG ID: GBF90119
Phoenix ID: BF90124

Project ID: NICHOLS PROPERTY
Client ID: LA-N (2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	12/18/13	I	E160.3
Extraction of CT ETPH	Completed			12/18/13	BJ/F	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	2400	520	mg/Kg	12/19/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/19/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	Diluted Out		%	12/19/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 24, 2013
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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 24, 2013

QA/QC Data

SDG I.D.: GBF90119

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 262471, QC Sample No: BF87826 (BF90119, BF90120, BF90122, BF90123)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	0.11	<0.10	NC	103	102	1.0	103	103	0.0	75 - 125	20	
Barium	BRL	0.65	0.68	4.50	106	106	0.0	102	102	0.0	75 - 125	20	
Cadmium	BRL	<0.050	<0.050	NC	104	103	1.0	102	102	0.0	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	104	103	1.0	102	102	0.0	75 - 125	20	
Lead	BRL	1.62	1.64	1.20	103	102	1.0	101	100	1.0	75 - 125	20	
Selenium	BRL	0.11	<0.10	NC	104	104	0.0	105	106	0.9	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	104	103	1.0	104	104	0.0	75 - 125	20	
QA/QC Batch 262675, QC Sample No: BF89669 (BF90121)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	0.12	<0.10	NC	112	111	0.9	106	107	0.9	75 - 125	20	
Barium	BRL	0.17	0.25	NC	101	99.3	1.7	104	105	1.0	75 - 125	20	
Cadmium	BRL	0.445	0.644	36.5	107	106	0.9	109	110	0.9	75 - 125	20	r
Chromium	BRL	<0.10	<0.10	NC	102	100	2.0	102	104	1.9	75 - 125	20	
Lead	BRL	<0.10	<0.10	NC	102	101	1.0	103	105	1.9	75 - 125	20	
Selenium	BRL	0.20	0.16	NC	118	119	0.8	110	112	1.8	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	106	105	0.9	103	104	1.0	75 - 125	20	
QA/QC Batch 262540, QC Sample No: BF90005 (BF90119, BF90120, BF90122, BF90123)													
ICP Metals - Soil													
Antimony	BRL	<3.9	<3.9	NC	119	>130	NC	99.5	96.5	3.1	75 - 125	30	l
Arsenic	BRL	1.5	1.13	NC	101	110	8.5	95.2	94.0	1.3	75 - 125	30	
Barium	BRL	21.4	20.8	2.80	103	110	6.6	106	104	1.9	75 - 125	30	
Beryllium	BRL	0.33	0.32	NC	102	109	6.6	100	98.0	2.0	75 - 125	30	
Cadmium	BRL	<0.39	<0.39	NC	101	108	6.7	96.8	95.3	1.6	75 - 125	30	
Chromium	BRL	12.3	12.1	1.60	103	110	6.6	101	99.8	1.2	75 - 125	30	
Copper	BRL	6.39	6.38	0.20	96.7	105	8.2	103	103	0.0	75 - 125	30	
Lead	BRL	4.43	4.63	4.40	107	108	0.9	96.3	95.4	0.9	75 - 125	30	
Nickel	BRL	7.05	6.88	2.40	99.4	106	6.4	98.2	97.2	1.0	75 - 125	30	
Selenium	BRL	<1.6	<1.6	NC	99.0	106	6.8	85.7	85.3	0.5	75 - 125	30	
Silver	BRL	<0.39	<0.39	NC	97.7	106	8.1	97.5	97.1	0.4	75 - 125	30	
Thallium	BRL	<3.5	<3.5	NC	103	112	8.4	98.1	97.2	0.9	75 - 125	30	
Vanadium	BRL	19.8	19.4	2.00	102	111	8.5	101	100	1.0	75 - 125	30	
Zinc	0.41	16.1	15.7	2.50	101	109	7.6	98.5	97.5	1.0	75 - 125	30	
QA/QC Batch 262677, QC Sample No: BF90108 (BF90119, BF90120, BF90121, BF90122, BF90123)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	111	105	5.6	127	117	8.2	70 - 130	20	m
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 262630, QC Sample No: BF90118 (BF90121)													
ICP Metals - Soil													
Antimony	BRL	4.2	5.5	NC	117	124	5.8	99.0	96.5	2.6	75 - 125	30	

QA/QC Data

SDG I.D.: GBF90119

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Arsenic	BRL	8.1	14.1 *	54.1	97.6	104	6.3	102	97.1	4.9	75 - 125	30	r
Barium	BRL	249	285	13.5	95.7	104	8.3	117	125	6.6	75 - 125	30	
Beryllium	BRL	0.45	0.49	NC	98.8	104	5.1	101	97.8	3.2	75 - 125	30	
Cadmium	BRL	0.98	1.47	NC	98.0	104	5.9	95.2	94.0	1.3	75 - 125	30	
Chromium	BRL	56.8	31.3 *	57.9	96.3	102	5.7	>130	103	NC	75 - 125	30	m,r
Copper	BRL	205	241	16.1	94.1	100	6.1	99.2	124	22.2	75 - 125	30	
Lead	BRL	514	579	11.9	94.8	103	8.3	94.6	>130	NC	75 - 125	30	m
Nickel	BRL	22.9	23.9	4.30	96.0	102	6.1	96.2	94.7	1.6	75 - 125	30	
Selenium	BRL	<1.5	<1.4	NC	92.6	101	8.7	99.8	90.3	10.0	75 - 125	30	
Silver	BRL	0.90	1.37	NC	99.1	100	0.9	106	101	4.8	75 - 125	30	
Thallium	BRL	<1.5	<3.2	NC	99.1	106	6.7	98.9	95.9	3.1	75 - 125	30	
Vanadium	BRL	35.6	31.2	13.2	97.5	105	7.4	109	101	7.6	75 - 125	30	
Zinc	0.71	416	499	18.1	96.9	104	7.1	>130	124	NC	75 - 125	30	m
QA/QC Batch 262676, QC Sample No: BF90227 (BF90119, BF90120, BF90121, BF90122, BF90123)													
Mercury - Soil	BRL	<0.07	<0.07	NC	115	108	6.3	118	115	2.6	70 - 130	30	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 24, 2013

QA/QC Data

SDG I.D.: GBF90119

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 262539, QC Sample No: BF90005 (BF90119, BF90120, BF90121, BF90122, BF90123, BF90124)									
TPH by GC (Extractable Products) - Solid									
Ext. Petroleum HC	ND	67	55	19.7	90	89	1.1	60 - 120	30
% n-Pentacosane	84	79	73	7.9	107	107	0.0	50 - 150	30
QA/QC Batch 262533, QC Sample No: BF90005 (BF90119, BF90120, BF90121, BF90122, BF90123)									
Polynuclear Aromatic HC - Solid									
2-Methylnaphthalene	ND	85	85	0.0	97	97	0.0	30 - 130	30
Acenaphthene	ND	79	78	1.3	90	89	1.1	30 - 130	30
Acenaphthylene	ND	83	84	1.2	97	95	2.1	30 - 130	30
Anthracene	ND	84	84	0.0	98	97	1.0	30 - 130	30
Benz(a)anthracene	ND	88	87	1.1	103	106	2.9	30 - 130	30
Benzo(a)pyrene	ND	80	80	0.0	93	94	1.1	30 - 130	30
Benzo(b)fluoranthene	ND	89	92	3.3	105	105	0.0	30 - 130	30
Benzo(ghi)perylene	ND	85	88	3.5	102	98	4.0	30 - 130	30
Benzo(k)fluoranthene	ND	86	79	8.5	96	99	3.1	30 - 130	30
Chrysene	ND	89	88	1.1	103	105	1.9	30 - 130	30
Dibenz(a,h)anthracene	ND	83	85	2.4	98	94	4.2	30 - 130	30
Fluoranthene	ND	83	83	0.0	98	100	2.0	30 - 130	30
Fluorene	ND	82	82	0.0	93	93	0.0	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	84	87	3.5	99	96	3.1	30 - 130	30
Naphthalene	ND	83	81	2.4	94	94	0.0	30 - 130	30
Phenanthrene	ND	84	85	1.2	99	99	0.0	30 - 130	30
Pyrene	ND	83	85	2.4	100	101	1.0	30 - 130	30
% 2-Fluorobiphenyl	88	85	85	0.0	92	93	1.1	30 - 130	30
% Nitrobenzene-d5	86	79	78	1.3	86	87	1.2	30 - 130	30
% Terphenyl-d14	79	90	89	1.1	104	102	1.9	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 262617, QC Sample No: BF90118 (BF90123)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	95	92	3.2	86	71	19.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	87	85	2.3	98	92	6.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	82	87	86	1.2	85	79	7.3	30 - 150	30
% TCMX (Surrogate Rec)	89	102	101	1.0	96	88	8.7	30 - 150	30

QA/QC Data

SDG I.D.: GBF90119

QA/QC Batch 262829, QC Sample No: BF90597 (BF90123)

Volatiles - Solid

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	94	101	7.2	98	92	6.3	70 - 130	30	
1,1,1-Trichloroethane	ND	98	104	5.9	105	96	9.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	92	94	2.2	106	96	9.9	70 - 130	30	
1,1,2-Trichloroethane	ND	95	98	3.1	104	94	10.1	70 - 130	30	
1,1-Dichloroethane	ND	90	100	10.5	105	96	9.0	70 - 130	30	
1,1-Dichloroethene	ND	100	101	1.0	82	79	3.7	70 - 130	30	
1,1-Dichloropropene	ND	97	100	3.0	111	105	5.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	94	99	5.2	106	98	7.8	70 - 130	30	
1,2,3-Trichloropropane	ND	88	101	13.8	99	97	2.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	99	99	0.0	112	100	11.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	100	104	3.9	106	98	7.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	92	98	6.3	105	91	14.3	70 - 130	30	
1,2-Dibromoethane	ND	93	100	7.3	106	96	9.9	70 - 130	30	
1,2-Dichlorobenzene	ND	96	98	2.1	104	96	8.0	70 - 130	30	
1,2-Dichloroethane	ND	94	98	4.2	101	91	10.4	70 - 130	30	
1,2-Dichloropropane	ND	97	101	4.0	106	97	8.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	96	101	5.1	107	99	7.8	70 - 130	30	
1,3-Dichlorobenzene	ND	97	99	2.0	106	98	7.8	70 - 130	30	
1,3-Dichloropropane	ND	93	100	7.3	104	95	9.0	70 - 130	30	
1,4-Dichlorobenzene	ND	96	99	3.1	105	98	6.9	70 - 130	30	
2,2-Dichloropropane	ND	99	105	5.9	104	97	7.0	70 - 130	30	
2-Chlorotoluene	ND	96	101	5.1	105	99	5.9	70 - 130	30	
2-Hexanone	ND	80	89	10.7	76	67	12.6	70 - 130	30	m
2-Isopropyltoluene	ND	94	100	6.2	105	98	6.9	70 - 130	30	
4-Chlorotoluene	ND	95	99	4.1	106	99	6.8	70 - 130	30	
4-Methyl-2-pentanone	ND	95	100	5.1	109	97	11.7	70 - 130	30	
Acetone	ND	77	76	1.3	43	<40	NC	70 - 130	30	m
Acrylonitrile	ND	89	98	9.6	113	99	13.2	70 - 130	30	
Benzene	ND	95	99	4.1	106	99	6.8	70 - 130	30	
Bromobenzene	ND	94	98	4.2	103	97	6.0	70 - 130	30	
Bromochloromethane	ND	94	98	4.2	106	98	7.8	70 - 130	30	
Bromodichloromethane	ND	95	99	4.1	100	93	7.3	70 - 130	30	
Bromoform	ND	91	98	7.4	94	86	8.9	70 - 130	30	
Bromomethane	ND	96	97	1.0	74	64	14.5	70 - 130	30	m
Carbon Disulfide	ND	97	97	0.0	86	82	4.8	70 - 130	30	
Carbon tetrachloride	ND	97	99	2.0	99	90	9.5	70 - 130	30	
Chlorobenzene	ND	95	102	7.1	104	98	5.9	70 - 130	30	
Chloroethane	ND	98	102	4.0	61	51	17.9	70 - 130	30	m
Chloroform	ND	95	99	4.1	105	96	9.0	70 - 130	30	
Chloromethane	ND	102	103	1.0	106	96	9.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	97	100	3.0	105	96	9.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	95	99	4.1	103	95	8.1	70 - 130	30	
Dibromochloromethane	ND	95	102	7.1	97	89	8.6	70 - 130	30	
Dibromomethane	ND	94	98	4.2	104	95	9.0	70 - 130	30	
Dichlorodifluoromethane	ND	92	104	12.2	111	103	7.5	70 - 130	30	
Ethylbenzene	ND	92	98	6.3	105	98	6.9	70 - 130	30	
Hexachlorobutadiene	ND	95	101	6.1	110	103	6.6	70 - 130	30	
Isopropylbenzene	ND	97	104	7.0	105	100	4.9	70 - 130	30	
m&p-Xylene	ND	95	102	7.1	107	99	7.8	70 - 130	30	
Methyl ethyl ketone	ND	77	78	1.3	68	59	14.2	70 - 130	30	m

QA/QC Data

SDG I.D.: GBF90119

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl t-butyl ether (MTBE)	ND	88	92	4.4	100	90	10.5	70 - 130	30	
Methylene chloride	ND	94	96	2.1	89	84	5.8	70 - 130	30	
Naphthalene	ND	94	98	4.2	108	97	10.7	70 - 130	30	
n-Butylbenzene	ND	101	104	2.9	111	101	9.4	70 - 130	30	
n-Propylbenzene	ND	103	109	5.7	106	101	4.8	70 - 130	30	
o-Xylene	ND	93	100	7.3	107	99	7.8	70 - 130	30	
p-Isopropyltoluene	ND	98	101	3.0	108	100	7.7	70 - 130	30	
sec-Butylbenzene	ND	95	100	5.1	106	100	5.8	70 - 130	30	
Styrene	ND	90	96	6.5	109	99	9.6	70 - 130	30	
tert-Butylbenzene	ND	97	103	6.0	106	100	5.8	70 - 130	30	
Tetrachloroethene	ND	96	103	7.0	107	100	6.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	93	96	3.2	116	100	14.8	70 - 130	30	
Toluene	ND	94	99	5.2	106	99	6.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	99	100	1.0	94	90	4.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	95	99	4.1	101	94	7.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	100	102	2.0	106	92	14.1	70 - 130	30	
Trichloroethene	ND	96	101	5.1	106	98	7.8	70 - 130	30	
Trichlorofluoromethane	ND	96	101	5.1	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	88	105	17.6	80	79	1.3	70 - 130	30	
Vinyl chloride	ND	103	106	2.9	109	100	8.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	101	100	1.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	99	100	101	1.0	102	102	0.0	70 - 130	30	
% Dibromofluoromethane	93	99	99	0.0	98	96	2.1	70 - 130	30	
% Toluene-d8	99	99	99	0.0	99	99	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 24, 2013

Requested Criteria: GAM, RC

State: CT

Sample Criteria Exceedences Report

GBF90119 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF90119	TCLP-AS	TCLP Arsenic	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.02	0.01	0.01	0.01	mg/L
BF90119	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.022	0.005	0.005	0.005	mg/L
BF90119	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	4.26	0.10	0.015	0.015	mg/L
BF90120	PB-SM	Lead	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	977	3.6	400	400	mg/Kg
BF90120	TCLP-AS	TCLP Arsenic	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.02	0.01	0.01	0.01	mg/L
BF90120	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.034	0.005	0.005	0.005	mg/L
BF90120	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	16.1	0.10	0.015	0.015	mg/L
BF90120	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	16.1	0.10	5	5	mg/L
BF90121	PB-SM	Lead	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	3580	36	400	400	mg/Kg
BF90121	TCLP-AS	TCLP Arsenic	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.02	0.01	0.01	0.01	mg/L
BF90121	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.044	0.005	0.005	0.005	mg/L
BF90121	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	13.2	0.10	0.015	0.015	mg/L
BF90121	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	13.2	0.10	5	5	mg/L
BF90122	PB-SM	Lead	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	810	3.3	400	400	mg/Kg
BF90122	TCLP-AS	TCLP Arsenic	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.02	0.01	0.01	0.01	mg/L
BF90122	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.047	0.005	0.005	0.005	mg/L
BF90122	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	24.4	1.0	0.015	0.015	mg/L
BF90122	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	24.4	1.0	5	5	mg/L
BF90123	TCLP-AS	TCLP Arsenic	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.02	0.01	0.01	0.01	mg/L
BF90123	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.014	0.005	0.005	0.005	mg/L
BF90123	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.889	0.010	0.015	0.015	mg/L
BF90124	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	2400	520	500	500	mg/Kg
BF90124	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	2400	520	500	500	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: NICHOLS PROPERTY **Project Number:**

Laboratory Sample ID(s): BF90119, BF90120, BF90121, BF90122, BF90123, BF90124

Sampling Date(s): 12/18/2013

RCP Methods Used:

☑ 1311/1312	☑ 6010	☐ 7000	☐ 7196	☑ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☑ 8260	☑ 8270	☑ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ETPH Narration, ICP Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: _____

Date: Tuesday, December 24, 2013

Printed Name: Greg Lawrence

Position: Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 24, 2013

SDG I.D.: GBF90119

8270 Semi-volatile Organics:
Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 262539 (Samples: BF90119, BF90120, BF90121, BF90122, BF90123, BF90124): -----

The LCSD recovery is below the method criteria. All of the other QC is acceptable, therefore no significant bias is suspected.

Instrument: Au-fid1 12/19/13-1 (BF90122, BF90123, BF90124)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/19/2013

Instrument: Au-fid84 12/19/13-1 (BF90120, BF90121)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko
Position: Chemist
Date: 12/19/2013

Instrument: Au-xl2 12/19/13-1 (BF90119)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/19/2013

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SDG I.D.: GBF90119

QC (Batch Specific)

---------- Sample No: BF90005, QA/QC Batch: 262539 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: Ext. Petroleum HC(55%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 12/19/13-1 (BF90119, BF90120, BF90121, BF90122, BF90123)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 12/19/2013

QC (Batch Specific)

---------- Sample No: BF90108, QA/QC Batch: 262677 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BF90227, QA/QC Batch: 262676 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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RCP Certification Report

December 24, 2013

SDG I.D.: GBF90119

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 262540 (Samples: BF90119, BF90120, BF90122, BF90123): -----

A trace amount of an analyte was found in blank. Due to the concentration in the blank relative to the samples, no bias is suspected. (Soil-Zinc(BF90119, BF90120, BF90122, BF90123))

The LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Antimony)

QC Batch 262630 (Samples: BF90121): -----

A trace amount of an analyte was found in blank. Due to the concentration in the blank relative to the samples, no bias is suspected. (Soil-Zinc(BF90121))

Instrument: Arcos 12/19/13-1 (BF90119, BF90120, BF90121, BF90122, BF90123)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 12/19/2013

Instrument: Arcos 12/20/13-1 (BF90121)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 12/20/2013

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RCP Certification Report

December 24, 2013

SDG I.D.: GBF90119

QC (Batch Specific)

---------- Sample No: BF87826, QA/QC Batch: 262471 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BF89669, QA/QC Batch: 262675 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BF90005, QA/QC Batch: 262540 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: Antimony(>130%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BF90118, QA/QC Batch: 262630 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd8 12/19/13-1 (BF90123)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 12/19/2013

Environmental Laboratories, Inc.
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RCP Certification Report

December 24, 2013

SDG I.D.: GBF90119

QC (Batch Specific)

---------- Sample No: BF90118, QA/QC Batch: 262617 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem06 12/18/13-1 (BF90119, BF90120, BF90121, BF90122, BF90123)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM06/SV_1216):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: 3,3'-dichlorobenzidine (21%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM06/1218_04-SV_1216):
98% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 2,4-dinitrophenol (45%)[30%], Benzyl Alcohol (33%)[30%]
The following compounds did not meet maximum % deviations: 2,4-dinitrophenol (45%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.044)[0.1], Hexachlorobenzene (.060)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 12/18/2013

QC (Batch Specific)

---------- Sample No: BF90005, QA/QC Batch: 262533 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem03 12/18/13-2 (BF90123)

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RCP Certification Report

December 24, 2013

SDG I.D.: GBF90119

Initial Calibration Verification (CHEM03/RCPS_1215D):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM03/1218L41-RCPS_1215D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM03/1218L42-RCPS_1215D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Raman Makol
Position: Chemist
Date: 12/18/2013

Instrument: Chem03 12/19/13-1 (BF90123)

Initial Calibration Verification (CHEM03/RCPS_1215D):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM03/1219L03-RCPS_1215D):
97% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 4-methyl-2-pentanone (-40%)[30%], Carbon Disulfide (-49%)[30%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM03/1219L05-RCPS_1215D):
97% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: Acetone (45%)[30%], Methyl Ethyl Ketone (37%)[30%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Raman Makol
Position: Chemist
Date: 12/19/2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 24, 2013

SDG I.D.: GBF90119

QC (Batch Specific)

---------- Sample No: BF90597, QA/QC Batch: 262829 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 1°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 1 °C Pg 1 of 1

Contact Options:
[X] Fax: (860) 298-6399
[X] Phone: (860) 298-9692
[X] Email: sfarrick@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: Nichols Property
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O: 203894.00002

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 12/18/13

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	PCBs	ETPH	PAHs	Total RSR 15 Metals	TCLP RCRA 8 Metals	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
90119	AOC-8B-N	S	12/18/13	0940			X	X	X	X				1						
90120	AOC-8B-E	↓	↓	0945			X	X	X	X				1						
90121	AOC-8B-S	↓	↓	0950			X	X	X	X				1						
90122	AOC-8B-W	↓	↓	0955			X	X	X	X				1						
90123	AOC-8B-Bottom	↓	↓	1000	X	X	X	X	X	X			3	1						
90124	LA-N (2)	↓	↓	1015			X							1						
																				(9)

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/18/13	1245

Comments, Special Requirements or Regulations:
Note: Use DAS water for Town of Manchester DPW.

Turnaround:
[X] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[X] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

PHOENIX
Environmental Laboratories, Inc.

Monday, December 30, 2013

Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: NICHOLS PROPERTY
Sample ID#s: BF91750 - BF91751

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/23/13	12:20
Location Code:	TRC-DAS	Received by:	LB	12/23/13	12:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF91750
Phoenix ID: BF91750

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-N-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Lead	18.5	0.33	mg/Kg	12/24/13	LK	SW6010
SPLP Lead	0.014	0.010	mg/L	12/24/13	LK	SW6010
TCLP Lead	0.030	0.010	mg/L	12/24/13	LK	SW6010
SPLP Metals Digestion	Completed			12/24/13	I/I	SW846-3005
TCLP Metals Digestion	Completed			12/24/13	I/I	SW846 - 3005
SPLP Extraction for Metals	Completed			12/23/13	I	EPA 1312
TCLP Extraction for Metals	Completed			12/23/13	I	EPA 1311
Total Metals Digest	Completed			12/23/13	Z/T	SW846 - 3050

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 30, 2013
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/23/13	12:25
Location Code:	TRC-DAS	Received by:	LB	12/23/13	12:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF91750
Phoenix ID: BF91751

Project ID: NICHOLS PROPERTY
Client ID: AOC-8B-E-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Lead	7.90	0.32	mg/Kg	12/24/13	LK	SW6010
SPLP Lead	0.013	0.010	mg/L	12/24/13	LK	SW6010
TCLP Lead	0.013	0.010	mg/L	12/24/13	LK	SW6010
SPLP Metals Digestion	Completed			12/24/13	I/I	SW846-3005
TCLP Metals Digestion	Completed			12/24/13	I/I	SW846 - 3005
SPLP Extraction for Metals	Completed			12/23/13	I	EPA 1312
TCLP Extraction for Metals	Completed			12/23/13	I	EPA 1311
Total Metals Digest	Completed			12/23/13	Z/T	SW846 - 3050

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 30, 2013
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 30, 2013

QA/QC Data

SDG I.D.: GBF91750

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 262561, QC Sample No: BF85845 (BF91750, BF91751)												
ICP Metals - SPLP Extraction												
Lead	BRL	0.041	<0.010	NC	104	104	0.0	101	102	1.0	75 - 125	20
QA/QC Batch 263048, QC Sample No: BF91750 (BF91750, BF91751)												
ICP Metals - TCLP Extraction												
Lead	BRL	0.030	0.027	NC	96.7	99.2	2.6	99.5	98.0	1.5	75 - 125	20
QA/QC Batch 262997, QC Sample No: BF91879 (BF91750, BF91751)												
ICP Metals - Soil												
Lead	BRL	5.16	5.29	2.50	93.8	99.5	5.9	91.3	89.6	1.9	75 - 125	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 30, 2013

Monday, December 30, 2013

Requested Criteria: GAM, RC

State: CT

Sample Criteria Exceedences Report

GBF91750 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF91750	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.030	0.010	0.015	0.015	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:**

Project Location: NICHOLS PROPERTY **Project Number:**

Laboratory Sample ID(s): BF91750, BF91751

Sampling Date(s): 12/23/2013

RCP Methods Used:

☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☐ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: Ethan Lee

Date: Monday, December 30, 2013

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 30, 2013

SDG I.D.: GBF91750

BF91750, BF91751 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

The samples were received by the laboratory less than one hour after collection at a temperature of 13 degrees C with cooling initiated. Significant bias is not suspected.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Arcos 12/24/13-1 (BF91750, BF91751)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 12/24/2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 30, 2013

SDG I.D.: GBF91750

QC (Site Specific)

---------- Sample No: BF91750, QA/QC Batch: 263048 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 20% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BF85845, QA/QC Batch: 262561 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BF91879, QA/QC Batch: 262997 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 13°C.
(Note acceptance criteria is above freezing up to 6°C)

BONIL

CHAIN OF CUSTODY RECORD

Temp 13 Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email: SFarrick@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: Nichols Property
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O:
Phone #: (860) 298-9692
Fax #: (860) 298-6399

Sampler's Signature: Date: 12/23/13

Client Sample Information - Identification

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Total Lead	SPLP Lead	TCLP Lead	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
91750	AOC-8B-N (2)	S	12/23/13	1220	X	X	X		1								
91751	AOC-8B-E (2)	S	12/23/13	1225	X	X	X		1								

Relinquished by:	Accepted by:	Date:	Time:
		12/23/13	1835

Comments, Special Requirements or Regulations:
*Use DAS rates for Town of Manchester DPW.

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☒ GA Mobility
☐ GB Mobility
☒ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

State where samples were collected: CT

PHOENIX
Environmental Laboratories, Inc.

Friday, December 27, 2013

Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: NICHOLS PROPERTY
Sample ID#s: BF91167 - BF91171

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/20/13	8:50
Location Code:	TRC-DAS	Received by:	LB	12/20/13	10:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	c203894.000002				

Laboratory Data

SDG ID: GBF91167
Phoenix ID: BF91167

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-N (2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	12/20/13	I	E160.3
Extraction of CT ETPH	Completed			12/20/13	JS/FV	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	810	56	mg/Kg	12/21/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/21/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	75		%	12/21/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/20/13	8:55
Location Code:	TRC-DAS	Received by:	LB	12/20/13	10:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	c203894.000002				

Laboratory Data

SDG ID: GBF91167
Phoenix ID: BF91168

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-NE (2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	12/20/13	I	E160.3
Extraction of CT ETPH	Completed			12/20/13	JS/FV	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	1200	120	mg/Kg	12/23/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/23/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	106		%	12/23/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/20/13	9:05
Location Code:	TRC-DAS	Received by:	LB	12/20/13	10:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	c203894.000002				

Laboratory Data

SDG ID: GBF91167
Phoenix ID: BF91169

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-SW (2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	12/20/13	I	E160.3
Extraction of CT ETPH	Completed			12/20/13	JS/FV	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	490	62	mg/Kg	12/21/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/21/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	69		%	12/21/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C18 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/20/13	9:10
Location Code:	TRC-DAS	Received by:	LB	12/20/13	10:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	c203894.000002				

Laboratory Data

SDG ID: GBF91167
Phoenix ID: BF91170

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-S (2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	12/20/13	I	E160.3
Extraction of CT ETPH	Completed			12/20/13	JS/FV	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	750	57	mg/Kg	12/21/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/21/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	72		%	12/21/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/20/13	9:15
Location Code:	TRC-DAS	Received by:	LB	12/20/13	10:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	c203894.000002				

Laboratory Data

SDG ID: GBF91167
Phoenix ID: BF91171

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-E (2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	12/20/13	I	E160.3
Extraction of CT ETPH	Completed			12/20/13	JS/FV	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	55	mg/Kg	12/21/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/21/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	67		%	12/21/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 27, 2013

QA/QC Data

SDG I.D.: GBF91167

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 262756, QC Sample No: BF90958 (BF91167, BF91168, BF91169, BF91170, BF91171)									
TPH by GC (Extractable Products) - Soil									
Ext. Petroleum HC	ND	74	80	7.8	60	78	26.1	60 - 120	30
% n-Pentacosane	109	117	118	0.9	96	127	27.8	50 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 27, 2013

Sample Criteria Exceedences Report

GBF91167 - TRC-DAS

Requested Criteria: GAM, RC

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF91167	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	810	56	500	500	mg/Kg
BF91167	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	810	56	500	500	mg/Kg
BF91168	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	1200	120	500	500	mg/Kg
BF91168	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1200	120	500	500	mg/Kg
BF91170	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	750	57	500	500	mg/Kg
BF91170	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	750	57	500	500	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: NICHOLS PROPERTY **Project Number:**

Laboratory Sample ID(s): BF91167, BF91168, BF91169, BF91170, BF91171

Sampling Date(s): 12/20/2013

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☐ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☑ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: _____

Date: Friday, December 27, 2013

Printed Name: Maryam Taylor

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 27, 2013

SDG I.D.: GBF91167

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid1 12/21/13-1 (BF91167, BF91168, BF91169, BF91170, BF91171)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/21/2013

Instrument: Au-fid1 12/23/13-1 (BF91168)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/23/2013

QC (Batch Specific)

---------- Sample No: BF90958, QA/QC Batch: 262756 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 5C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 27, 2013

SDG I.D.: GBF91167

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 5 °C Pg 1 of 1

Contact Options:
[X] Fax: (860) 298-6399
[X] Phone: (860) 298-9692
[X] Email: SFarrick@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: Nichols Property
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O: C203894.0000.02

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 12/20/13

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	ETPH	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (5) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
91167	AOC-12-N (2)	S	12/20/13	0850	X		1								
91168	AOC-12-NE (2)	↓	↓	0855	X		1								
91169	AOC-12-SW (2)	↓	↓	0905	X		1								
91170	AOC-12-S (2)	↓	↓	0910	X		1								
91171	AOC-12-SE (2)	↓	↓	0915	X		1								

5

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/20/13	1000

Comments, Special Requirements or Regulations:
* Use DAS rates for Town of Manchester DPW

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[X] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

PHOENIX
Environmental Laboratories, Inc.

Friday, December 27, 2013

Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: NICHOLS PROPERTY
Sample ID#s: BF89670 - BF89675

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/17/13	13:30
Location Code:	TRC-DAS	Received by:	SW	12/17/13	14:37
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89670
Phoenix ID: BF89670

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-SW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	12/17/13	I	E160.3
Extraction of CT ETPH	Completed			12/17/13	BS/F	3545
SPLP ETPH Extraction	Completed			12/23/13	D/D	SW 3510/3520
SPLP Extraction for Organics	Completed			12/20/13	I	EPA1312
TPH by GC (Extractable Products)						
Ext. Petroleum HC	4600	590	mg/Kg	12/18/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	102		%	12/18/13	JRB	50 - 150 %
SPLP TPH by GC (Ext. Products)						
Ext. Petroleum HC	ND	0.10	mg/L	12/23/13	JRB	CT ETPH
Identification	ND	0.10	mg/L	12/23/13	JRB	CT ETPH
QA/QC Surrogates						
% n-Pentacosane	74		%	12/23/13	JRB	50 - 150 %

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-SW

Phoenix I.D.: BF89670

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C18 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/17/13	13:35
Location Code:	TRC-DAS	Received by:	SW	12/17/13	14:37
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89670
Phoenix ID: BF89671

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-NW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	12/17/13	I	E160.3
Extraction of CT ETPH	Completed			12/17/13	BS/F	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	57	mg/Kg	12/18/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	101		%	12/18/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/17/13	13:40
Location Code:	TRC-DAS	Received by:	SW	12/17/13	14:37
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89670
Phoenix ID: BF89672

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-N

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	12/17/13	I	E160.3
Extraction of CT ETPH	Completed			12/17/13	BS/F	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	840	56	mg/Kg	12/18/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	70		%	12/18/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/17/13	13:45
Location Code:	TRC-DAS	Received by:	SW	12/17/13	14:37
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89670
Phoenix ID: BF89673

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-NE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	12/17/13	I	E160.3
Extraction of CT ETPH	Completed			12/17/13	BS/F	3545
SPLP ETPH Extraction	Completed			12/23/13	D/D	SW 3510/3520
SPLP Extraction for Organics	Completed			12/20/13	I	EPA1312
TPH by GC (Extractable Products)						
Ext. Petroleum HC	1400	110	mg/Kg	12/18/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	50		%	12/18/13	JRB	50 - 150 %
SPLP TPH by GC (Ext. Products)						
Ext. Petroleum HC	ND	0.10	mg/L	12/23/13	JRB	CT ETPH
Identification	ND	0.10	mg/L	12/23/13	JRB	CT ETPH
QA/QC Surrogates						
% n-Pentacosane	74		%	12/23/13	JRB	50 - 150 %

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-NE

Phoenix I.D.: BF89673

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/17/13	13:50
Location Code:	TRC-DAS	Received by:	SW	12/17/13	14:37
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89670
Phoenix ID: BF89674

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-SE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	12/17/13	I	E160.3
Extraction of CT ETPH	Completed			12/17/13	BS/F	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	1000	56	mg/Kg	12/18/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	58		%	12/18/13	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 27, 2013

FOR: Attn: Mr Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/17/13	13:55
Location Code:	TRC-DAS	Received by:	SW	12/17/13	14:37
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89670
Phoenix ID: BF89675

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-S

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	12/17/13	I	E160.3
Extraction of CT ETPH	Completed			12/17/13	BS/F	3545
SPLP ETPH Extraction	Completed			12/23/13	D/D	SW 3510/3520
SPLP Extraction for Organics	Completed			12/20/13	I	EPA1312
TPH by GC (Extractable Products)						
Ext. Petroleum HC	2000	290	mg/Kg	12/18/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	73		%	12/18/13	JRB	50 - 150 %
SPLP TPH by GC (Ext. Products)						
Ext. Petroleum HC	ND	0.10	mg/L	12/23/13	JRB	CT ETPH
Identification	ND	0.10	mg/L	12/23/13	JRB	CT ETPH
QA/QC Surrogates						
% n-Pentacosane	82		%	12/23/13	JRB	50 - 150 %

Project ID: NICHOLS PROPERTY
Client ID: AOC-12-S

Phoenix I.D.: BF89675

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 27, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 27, 2013

QA/QC Data

SDG I.D.: GBF89670

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 262527, QC Sample No: BF89686 (BF89670, BF89671, BF89672, BF89673, BF89674, BF89675)									
TPH by GC (Extractable Products) - Solid									
Ext. Petroleum HC	ND	89			59	61	3.3	60 - 120	30
% n-Pentacosane	69	104			73	77	5.3	50 - 150	30
QA/QC Batch 262892, QC Sample No: BF91230 (BF89670, BF89673, BF89675)									
TPH by GC (Extractable Products)									
Ext. Petroleum HC	ND	82	79	3.7	81	82	1.2	60 - 120	30
% n-Pentacosane	89	90	88	2.2	88	85	3.5	50 - 150	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 27, 2013

Sample Criteria Exceedences Report

GBF89670 - TRC-DAS

Requested Criteria: GAM, RC

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF89670	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	4600	590	500	500	mg/Kg
BF89670	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	4600	590	500	500	mg/Kg
BF89672	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	840	56	500	500	mg/Kg
BF89672	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	840	56	500	500	mg/Kg
BF89673	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	1400	110	500	500	mg/Kg
BF89673	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1400	110	500	500	mg/Kg
BF89674	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	1000	56	500	500	mg/Kg
BF89674	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1000	56	500	500	mg/Kg
BF89675	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	2000	290	500	500	mg/Kg
BF89675	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	2000	290	500	500	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** AOC-12-SW

Project Location: NICHOLS PROPERTY **Project Number:**

Laboratory Sample ID(s): BF89670, BF89671, BF89672, BF89673, BF89674, BF89675

Sampling Date(s): 12/17/2013

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☐ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☑ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: _____

Date: Friday, December 27, 2013

Printed Name: Maryam Taylor

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 27, 2013

SDG I.D.: GBF89670

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid1 12/18/13-1 (BF89670, BF89672, BF89673, BF89675)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/18/2013

Instrument: Au-fid1 12/23/13-1 (BF89675)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/23/2013

Instrument: Au-fid84 12/18/13-1 (BF89672, BF89674)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko
Position: Chemist
Date: 12/18/2013

Instrument: Au-fid84 12/23/13-1 (BF89673)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C9

Printed Name Jeff Bucko
Position: Chemist
Date: 12/23/2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 27, 2013

SDG I.D.: GBF89670

Instrument: Aufid-d1 12/18/13-1 (BF89670)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/18/2013

Instrument: Aufid-d1 12/23/13-1 (BF89670)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

Printed Name Jeff Bucko
Position: Chemist
Date: 12/23/2013

Instrument: Au-xl1 12/18/13-1 (BF89671, BF89673)

Initial Calibration (FIDXL1 ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/18/2013

Instrument: Au-xl2 12/18/13-1 (BF89675)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/18/2013

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 27, 2013

SDG I.D.: GBF89670

QC (Batch Specific)

---------- Sample No: BF89686, QA/QC Batch: 262527 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

---------- Sample No: BF91230, QA/QC Batch: 262892 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 1°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [✓] No [ ]
Coolant: IPK [ ] ICE [✓] No [ ]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Temp [ ] °C Pg 1 of 1

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[✓] Fax: (860) 298-6399
[✓] Phone: (860) 298-9692
[✓] Email: SFarrick@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: Nichols Property
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O: C203844.0000.02

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 12/17/13

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request: ETPH

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	ETPH	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
89670	AOC-12-SW	S	12/17/13	1330	X		1								
89671	AOC-12-NW	↓	↓	1335	↓		1								
89672	AOC-12-N			1340			1								
89673	AOC-12-NE			1345			1								
89674	AOC-12-SE			1350			1								
89675	AOC-12-S	↓	↓	1355	↓		1								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/17/13	1437

Comments, Special Requirements or Regulations:
Note: Use DAS rates for Town of Manchester DPW.

Turnaround:
[✓] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[✓] RCP Cert
[ ] GW Protection
[ ] SW Protection
[✓] GA Mobility
[ ] GB Mobility
[✓] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[✓] Excel
[✓] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[✓] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

Greg - Phoenixlabs

From: Lindahl, Christopher [CLindahl@trcsolutions.com]
Sent: Friday, December 20, 2013 9:36 AM
To: Greg - Phoenixlabs
Cc: Farrick, Steve
Subject: SDG GBF 89670

Greg,

I would like to run SPLP ETPH analysis on the following samples from this report if there is enough sample volume remaining:

GBF89670

Phoenix ID	TRC ID
BF89670	AOC-12-SW
BF89673	AOC-12-NE
BF89675	AOC-12-S

Thanks and Happy Holidays,

Chris Lindahl
Associate Project Scientist

TRC

21 Griffin Road North
Windsor, CT 06095
860.298.6267 phone
860.298.6339 fax
clindahl@trcsolutions.com

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit http://www.symanteccloud.com

PHOENIX
Environmental Laboratories, Inc.

Monday, December 23, 2013

Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: NICHOLS PROPERTY
Sample ID#s: BF89109 - BF89127

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	8:55
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89109

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-SE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	54	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	79		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	360	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	81		%	12/17/13	AW	30 - 150 %
% TCMX	83		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-SE

Phoenix I.D.: BF89109

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	12/17/13	R/P	SW8260
1,1,2-Trichloroethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,1-Dichloroethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,1-Dichloroethene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,1-Dichloropropene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2,3-Trichloropropane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2-Dibromoethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2-Dichlorobenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2-Dichloroethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,2-Dichloropropane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,3-Dichlorobenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,3-Dichloropropane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
1,4-Dichlorobenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
2,2-Dichloropropane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
2-Chlorotoluene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
2-Hexanone	ND	30	ug/Kg	12/17/13	R/P	SW8260
2-Isopropyltoluene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
4-Chlorotoluene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	12/17/13	R/P	SW8260
Acetone	ND	37	ug/Kg	12/17/13	R/P	SW8260
Acrylonitrile	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Benzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Bromobenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Bromochloromethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Bromodichloromethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Bromoform	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Bromomethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Carbon Disulfide	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Carbon tetrachloride	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Chlorobenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Chloroethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Chloroform	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Chloromethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Dibromochloromethane	ND	3.7	ug/Kg	12/17/13	R/P	SW8260
Dibromomethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Dichlorodifluoromethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Ethylbenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Hexachlorobutadiene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Isopropylbenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
m&p-Xylene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Methyl Ethyl Ketone	ND	37	ug/Kg	12/17/13	R/P	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-SE

Phoenix I.D.: BF89109

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/17/13	R/P	SW8260
Methylene chloride	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Naphthalene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
n-Butylbenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
n-Propylbenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
o-Xylene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
p-Isopropyltoluene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
sec-Butylbenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Styrene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
tert-Butylbenzene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Tetrachloroethene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/17/13	R/P	SW8260
Toluene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Total Xylenes	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/17/13	R/P	SW8260
Trichloroethene	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Trichlorofluoromethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Trichlorotrifluoroethane	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
Vinyl chloride	ND	6.1	ug/Kg	12/17/13	R/P	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	101		%	12/17/13	R/P	70 - 130 %
% Bromofluorobenzene	93		%	12/17/13	R/P	70 - 130 %
% Dibromofluoromethane	99		%	12/17/13	R/P	70 - 130 %
% Toluene-d8	100		%	12/17/13	R/P	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	94		%	12/16/13	DD	30 - 130 %
% Nitrobenzene-d5	86		%	12/16/13	DD	30 - 130 %
% Terphenyl-d14	115		%	12/16/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-SE

Phoenix I.D.: BF89109

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	9:00
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89110

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-SW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	54	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	76		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	360	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	81		%	12/17/13	AW	30 - 150 %
% TCMX	84		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-SW

Phoenix I.D.: BF89110

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	30	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	36	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	36	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-SW

Phoenix I.D.: BF89110

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	105		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	89		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	103		%	12/17/13	HM	70 - 130 %
% Toluene-d8	102		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	100		%	12/16/13	DD	30 - 130 %
% Nitrobenzene-d5	92		%	12/16/13	DD	30 - 130 %
% Terphenyl-d14	122		%	12/16/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-SW

Phoenix I.D.: BF89110

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	9:05
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89111

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-NW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	53	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	79		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	350	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	82		%	12/17/13	AW	30 - 150 %
% TCMX	85		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-NW

Phoenix I.D.: BF89111

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.9	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	32	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	32	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	39	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.9	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	39	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	13	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	6.4	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	6.4	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	6.4	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	104		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	89		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	104		%	12/17/13	HM	70 - 130 %
% Toluene-d8	100		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	90		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	86		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	99		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-NW

Phoenix I.D.: BF89111

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	9:10
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89112

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-NE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	54	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	73		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	360	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	82		%	12/17/13	AW	30 - 150 %
% TCMX	83		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-NE

Phoenix I.D.: BF89112

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	30	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	36	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	36	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	101		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	91		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	104		%	12/17/13	HM	70 - 130 %
% Toluene-d8	102		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	92		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	91		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	106		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-CD-NE

Phoenix I.D.: BF89112

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	9:55
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89113

Project ID: NICHOLS PROPERTY
Client ID: UST-E-SW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	55	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	71		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	360	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	82		%	12/17/13	AW	30 - 150 %
% TCMX	94		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-E-SW

Phoenix I.D.: BF89113

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	30	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	36	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	36	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	6.0	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	6.0	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	103		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	89		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	103		%	12/17/13	HM	70 - 130 %
% Toluene-d8	99		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Pyrene	320	260	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	84		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	88		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	99		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-E-SW

Phoenix I.D.: BF89113

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	10:00
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89114

Project ID: NICHOLS PROPERTY
Client ID: UST-E-SW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	99	53	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	83		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	350	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	105		%	12/17/13	AW	30 - 150 %
% TCMX	92		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-E-SW

Phoenix I.D.: BF89114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	30	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	35	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.5	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	35	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-E-SW

Phoenix I.D.: BF89114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.9	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.9	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	106		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	85		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	107		%	12/17/13	HM	70 - 130 %
% Toluene-d8	103		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	12/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	94		%	12/16/13	DD	30 - 130 %
% Nitrobenzene-d5	83		%	12/16/13	DD	30 - 130 %
% Terphenyl-d14	125		%	12/16/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-E-SW

Phoenix I.D.: BF89114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C24. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	10:05
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89115

Project ID: NICHOLS PROPERTY
Client ID: UST-E-NW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	79		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	350	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	110		%	12/17/13	AW	30 - 150 %
% TCMX	100		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-E-NW

Phoenix I.D.: BF89115

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	27	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	32	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.2	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	32	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.3	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.3	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	105		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	90		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	104		%	12/17/13	HM	70 - 130 %
% Toluene-d8	97		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	90		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	83		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	111		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-E-NW

Phoenix I.D.: BF89115

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	10:10
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89116

Project ID: NICHOLS PROPERTY
Client ID: UST-E-NE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	54	mg/Kg	12/17/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	76		%	12/17/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	360	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	114		%	12/17/13	AW	30 - 150 %
% TCMX	105		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-E-NE

Phoenix I.D.: BF89116

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	28	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	34	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.4	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	34	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.6	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.6	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.6	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	107		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	89		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	101		%	12/17/13	HM	70 - 130 %
% Toluene-d8	104		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	43		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	41		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	55		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-E-NE

Phoenix I.D.: BF89116

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	10:35
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89117

Project ID: NICHOLS PROPERTY
Client ID: UST-A-SE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	54	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	83		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	360	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	104		%	12/17/13	AW	30 - 150 %
% TCMX	98		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-A-SE

Phoenix I.D.: BF89117

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	25	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	30	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	9.9	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	9.9	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	4.9	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	9.9	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	4.9	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	106		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	87		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	103		%	12/17/13	HM	70 - 130 %
% Toluene-d8	98		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	92		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	83		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	125		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-A-SE

Phoenix I.D.: BF89117

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	10:40
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89118

Project ID: NICHOLS PROPERTY
Client ID: UST-A-SW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/16/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/16/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	81		%	12/16/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	350	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	116		%	12/17/13	AW	30 - 150 %
% TCMX	108		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-A-SW

Phoenix I.D.: BF89118

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	27	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	33	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-A-SW

Phoenix I.D.: BF89118

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.4	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	104		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	87		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	106		%	12/17/13	HM	70 - 130 %
% Toluene-d8	101		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	97		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	97		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	106		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-A-SW

Phoenix I.D.: BF89118

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	10:45
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89119

Project ID: NICHOLS PROPERTY
Client ID: UST-A-NW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	55	mg/Kg	12/17/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	68		%	12/17/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	360	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	360	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	113		%	12/17/13	AW	30 - 150 %
% TCMX	102		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-A-NW

Phoenix I.D.: BF89119

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	24	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	24	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	29	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	2.9	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	29	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-A-NW

Phoenix I.D.: BF89119

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	9.8	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	9.8	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	4.9	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	9.8	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	4.9	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	4.9	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	107		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	85		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	100		%	12/17/13	HM	70 - 130 %
% Toluene-d8	98		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	98		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	89		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	124		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-A-NW

Phoenix I.D.: BF89119

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	10:50
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89120

Project ID: NICHOLS PROPERTY
Client ID: UST-A-NE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	57	mg/Kg	12/17/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	82		%	12/17/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	380	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	380	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	380	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	380	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	380	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	380	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	380	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	380	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	380	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	120		%	12/17/13	AW	30 - 150 %
% TCMX	104		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-A-NE

Phoenix I.D.: BF89120

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	28	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	34	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.4	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	34	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.7	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.7	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.7	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	105		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	90		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	104		%	12/17/13	HM	70 - 130 %
% Toluene-d8	102		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	95		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	87		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	128		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-A-NE

Phoenix I.D.: BF89120

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	11:25
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89121

Project ID: NICHOLS PROPERTY
Client ID: UST-B-SE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	50	mg/Kg	12/17/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	67		%	12/17/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	115		%	12/17/13	AW	30 - 150 %
% TCMX	103		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-B-SE

Phoenix I.D.: BF89121

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	29	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	29	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	35	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.5	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	35	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.8	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.8	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	106		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	89		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	112		%	12/17/13	HM	70 - 130 %
% Toluene-d8	100		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	88		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	88		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	105		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-B-SE

Phoenix I.D.: BF89121

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	11:30
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89122

Project ID: NICHOLS PROPERTY
Client ID: UST-B-SW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/17/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	68		%	12/17/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	112		%	12/17/13	AW	30 - 150 %
% TCMX	98		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-B-SW

Phoenix I.D.: BF89122

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	28	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	33	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-B-SW

Phoenix I.D.: BF89122

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.5	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.5	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	105		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	91		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	111		%	12/17/13	HM	70 - 130 %
% Toluene-d8	79		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	96		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	88		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	126		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-B-SW

Phoenix I.D.: BF89122

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	11:35
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89123

Project ID: NICHOLS PROPERTY
Client ID: UST-B-NW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	SS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/17/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	75		%	12/17/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	113		%	12/17/13	AW	30 - 150 %
% TCMX	100		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-B-NW

Phoenix I.D.: BF89123

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	29	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	29	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	35	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.5	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	35	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-B-NW

Phoenix I.D.: BF89123

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.8	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.8	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.8	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	106		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	89		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	104		%	12/17/13	HM	70 - 130 %
% Toluene-d8	100		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	93		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	88		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	118		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-B-NW

Phoenix I.D.: BF89123

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	11:40
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89124

Project ID: NICHOLS PROPERTY
Client ID: UST-B-NE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	51	mg/Kg	12/17/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	60		%	12/17/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	117		%	12/17/13	AW	30 - 150 %
% TCMX	106		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: UST-B-NE

Phoenix I.D.: BF89124

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,1-Trichloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	30	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	36	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	36	ug/Kg	12/17/13	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	6.0	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	6.0	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	6.0	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	111		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	86		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	111		%	12/17/13	HM	70 - 130 %
% Toluene-d8	101		%	12/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	91		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	83		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	119		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: UST-B-NE

Phoenix I.D.: BF89124

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	12:35
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89125

Project ID: NICHOLS PROPERTY
Client ID: AOC-6-BOTTOM

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.31	0.31	mg/Kg	12/17/13	LK	SW6010
Arsenic	1.1	0.6	mg/Kg	12/17/13	LK	SW6010
Barium	23.0	0.31	mg/Kg	12/17/13	LK	SW6010
Beryllium	< 0.25	0.25	mg/Kg	12/17/13	LK	SW6010
Cadmium	< 0.31	0.31	mg/Kg	12/17/13	LK	SW6010
Chromium	7.07	0.31	mg/Kg	12/17/13	LK	SW6010
Copper	5.61	0.31	mg/kg	12/17/13	LK	SW6010
Mercury	< 0.06	0.06	mg/Kg	12/17/13	RS	SW-7471
Nickel	5.29	0.31	mg/Kg	12/17/13	LK	SW6010
Lead	6.13	0.31	mg/Kg	12/17/13	LK	SW6010
Antimony	< 3.1	3.1	mg/Kg	12/17/13	LK	SW6010
Selenium	< 1.3	1.3	mg/Kg	12/17/13	LK	SW6010
SPLP Silver	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	12/17/13	LK	SW6010
SPLP Barium	0.053	0.010	mg/L	12/17/13	LK	SW6010
SPLP Beryllium	< 0.001	0.001	mg/L	12/17/13	LK	SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Chromium	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Copper	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	12/17/13	RS	1312/SW7470
SPLP Nickel	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Lead	0.013	0.010	mg/L	12/17/13	LK	SW6010
SPLP Antimony	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Selenium	< 0.020	0.020	mg/L	12/17/13	LK	SW6010
SPLP Thallium	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Vanadium	0.012	0.010	mg/L	12/17/13	LK	SW6010
SPLP Zinc	0.023	0.010	mg/L	12/17/13	LK	SW6010
Thallium	< 2.8	2.8	mg/Kg	12/17/13	LK	SW6010

Project ID: NICHOLS PROPERTY
Client ID: AOC-6-BOTTOM

Phoenix I.D.: BF89125

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
SPLP Metals Digestion	Completed			12/17/13	X/X	SW846-3005
Vanadium	13.0	0.31	mg/Kg	12/17/13	LK	SW6010
Zinc	14.8	0.31	mg/Kg	12/17/13	LK	SW6010
Percent Solid	98		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	SS/F	3545
Mercury Digestion	Completed			12/17/13	X/X	SW7471
SPLP Digestion Mercury	Completed			12/17/13	X/X	E1312/SW7470
SPLP Extraction for Metals	Completed			12/16/13	X	EPA 1312
Total Metals Digest	Completed			12/16/13	Z/AG	SW846 - 3050
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	50	mg/Kg	12/17/13	PL	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	PL	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	83		%	12/17/13	PL	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	103		%	12/17/13	AW	30 - 150 %
% TCMX	94		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: AOC-6-BOTTOM

Phoenix I.D.: BF89125

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	27	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	32	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.2	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	32	ug/Kg	12/17/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.3	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: AOC-6-BOTTOM

Phoenix I.D.: BF89125

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.3	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	109		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	88		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	109		%	12/17/13	HM	70 - 130 %
% Toluene-d8	105		%	12/17/13	HM	70 - 130 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	230	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	96		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	89		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	125		%	12/17/13	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	12:45
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89126

Project ID: NICHOLS PROPERTY
Client ID: LIFT N

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	12/17/13	LK	SW6010
Arsenic	1.4	0.8	mg/Kg	12/17/13	LK	SW6010
Barium	28.8	0.38	mg/Kg	12/17/13	LK	SW6010
Beryllium	< 0.30	0.30	mg/Kg	12/17/13	LK	SW6010
Cadmium	< 0.38	0.38	mg/Kg	12/17/13	LK	SW6010
Chromium	8.00	0.38	mg/Kg	12/17/13	LK	SW6010
Copper	10.7	0.38	mg/kg	12/17/13	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	12/17/13	RS	SW-7471
Nickel	6.13	0.38	mg/Kg	12/17/13	LK	SW6010
Lead	27.8	0.38	mg/Kg	12/17/13	LK	SW6010
Antimony	< 3.8	3.8	mg/Kg	12/17/13	LK	SW6010
Selenium	< 1.5	1.5	mg/Kg	12/17/13	LK	SW6010
SPLP Silver	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	12/17/13	LK	SW6010
SPLP Barium	0.087	0.010	mg/L	12/17/13	LK	SW6010
SPLP Beryllium	< 0.001	0.001	mg/L	12/17/13	LK	SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Chromium	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Copper	0.024	0.010	mg/L	12/17/13	LK	SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	12/17/13	RS	1312/SW7470
SPLP Nickel	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Lead	0.096	0.010	mg/L	12/17/13	LK	SW6010
SPLP Antimony	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Selenium	< 0.020	0.020	mg/L	12/17/13	LK	SW6010
SPLP Thallium	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Vanadium	0.023	0.010	mg/L	12/17/13	LK	SW6010
SPLP Zinc	0.044	0.010	mg/L	12/17/13	LK	SW6010
Thallium	< 3.4	3.4	mg/Kg	12/17/13	LK	SW6010

Project ID: NICHOLS PROPERTY
Client ID: LIFT N

Phoenix I.D.: BF89126

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
SPLP Metals Digestion	Completed			12/17/13	X/X	SW846-3005
Vanadium	17.3	0.38	mg/Kg	12/17/13	LK	SW6010
Zinc	22.6	0.38	mg/Kg	12/17/13	LK	SW6010
Percent Solid	87		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Mercury Digestion	Completed			12/17/13	X/X	SW7471
SPLP Digestion Mercury	Completed			12/17/13	X/X	E1312/SW7470
SPLP Extraction for Metals	Completed			12/16/13	X	EPA 1312
Total Metals Digest	Completed			12/16/13	Z/AG	SW846 - 3050
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	57	mg/Kg	12/17/13	PL	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	PL	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	66		%	12/17/13	PL	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	370	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	370	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	370	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	370	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	370	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	370	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	370	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	370	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	370	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	97		%	12/17/13	AW	30 - 150 %
% TCMX	88		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.1	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: LIFT N

Phoenix I.D.: BF89126

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	25	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	30	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	12/17/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.1	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: LIFT N

Phoenix I.D.: BF89126

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.1	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.1	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	106		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	88		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	109		%	12/17/13	HM	70 - 130 %
% Toluene-d8	100		%	12/17/13	HM	70 - 130 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	260	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	100		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	83		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	106		%	12/17/13	DD	30 - 130 %

Project ID: NICHOLS PROPERTY
Client ID: LIFT N

Phoenix I.D.: BF89126

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 23, 2013

FOR: Attn: Mr. Steve Farrick
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/16/13	13:05
Location Code:	TRC-DAS	Received by:	LB	12/16/13	14:45
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	C203894.000002				

Laboratory Data

SDG ID: GBF89109
Phoenix ID: BF89127

Project ID: NICHOLS PROPERTY
Client ID: LIFT S

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	12/17/13	LK	SW6010
Arsenic	1.5	0.7	mg/Kg	12/17/13	LK	SW6010
Barium	24.7	0.36	mg/Kg	12/17/13	LK	SW6010
Beryllium	< 0.28	0.28	mg/Kg	12/17/13	LK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	12/17/13	LK	SW6010
Chromium	6.99	0.36	mg/Kg	12/17/13	LK	SW6010
Copper	9.34	0.36	mg/kg	12/17/13	LK	SW6010
Mercury	< 0.06	0.06	mg/Kg	12/17/13	RS	SW-7471
Nickel	4.89	0.36	mg/Kg	12/17/13	LK	SW6010
Lead	27.6	0.36	mg/Kg	12/17/13	LK	SW6010
Antimony	< 3.6	3.6	mg/Kg	12/17/13	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	12/17/13	LK	SW6010
SPLP Silver	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Arsenic	< 0.004	0.004	mg/L	12/17/13	LK	SW6010
SPLP Barium	0.053	0.010	mg/L	12/17/13	LK	SW6010
SPLP Beryllium	< 0.001	0.001	mg/L	12/17/13	LK	SW6010
SPLP Cadmium	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Chromium	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Copper	0.012	0.010	mg/L	12/17/13	LK	SW6010
SPLP Mercury	< 0.0004	0.0004	mg/L	12/17/13	RS	1312/SW7470
SPLP Nickel	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Lead	0.050	0.010	mg/L	12/17/13	LK	SW6010
SPLP Antimony	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Selenium	< 0.020	0.020	mg/L	12/17/13	LK	SW6010
SPLP Thallium	< 0.005	0.005	mg/L	12/17/13	LK	SW6010
SPLP Vanadium	< 0.010	0.010	mg/L	12/17/13	LK	SW6010
SPLP Zinc	0.024	0.010	mg/L	12/17/13	LK	SW6010
Thallium	< 3.2	3.2	mg/Kg	12/17/13	LK	SW6010

Project ID: NICHOLS PROPERTY
Client ID: LIFT S

Phoenix I.D.: BF89127

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
SPLP Metals Digestion	Completed			12/17/13	X/X	SW846-3005
Vanadium	14.1	0.36	mg/Kg	12/17/13	LK	SW6010
Zinc	17.3	0.36	mg/Kg	12/17/13	LK	SW6010
Percent Solid	95		%	12/16/13	W	E160.3
Soil Extraction for PCB	Completed			12/16/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			12/16/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			12/16/13	QS/F	3545
Mercury Digestion	Completed			12/17/13	X/X	SW7471
SPLP Digestion Mercury	Completed			12/17/13	X/X	E1312/SW7470
SPLP Extraction for Metals	Completed			12/16/13	X	EPA 1312
Total Metals Digest	Completed			12/16/13	Z/AG	SW846 - 3050
Field Extraction	Completed			12/16/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	52	mg/Kg	12/17/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	12/17/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	74		%	12/17/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1221	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1232	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1242	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1248	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1254	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1260	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1262	ND	350	ug/Kg	12/17/13	AW	SW 8082
PCB-1268	ND	350	ug/Kg	12/17/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	119		%	12/17/13	AW	30 - 150 %
% TCMX	110		%	12/17/13	AW	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	12/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: LIFT S

Phoenix I.D.: BF89127

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
2-Hexanone	ND	26	ug/Kg	12/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	12/17/13	HM	SW8260
Acetone	ND	31	ug/Kg	12/17/13	HM	SW8260
Acrylonitrile	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Benzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Bromobenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Bromochloromethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Bromoform	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Bromomethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Chlorobenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Chloroethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Chloroform	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Chloromethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	12/17/13	HM	SW8260
Dibromomethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Ethylbenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
m&p-Xylene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	12/17/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	12/17/13	HM	SW8260
Methylene chloride	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Naphthalene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
o-Xylene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Styrene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	12/17/13	HM	SW8260
Toluene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Total Xylenes	ND	5.2	ug/Kg	12/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	12/17/13	HM	SW8260

Project ID: NICHOLS PROPERTY
Client ID: LIFT S

Phoenix I.D.: BF89127

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	12/17/13	HM	SW8260
Trichloroethene	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	12/17/13	HM	SW8260
Vinyl chloride	ND	5.2	ug/Kg	12/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	108		%	12/17/13	HM	70 - 130 %
% Bromofluorobenzene	86		%	12/17/13	HM	70 - 130 %
% Dibromofluoromethane	113		%	12/17/13	HM	70 - 130 %
% Toluene-d8	99		%	12/17/13	HM	70 - 130 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Fluorene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	12/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	91		%	12/17/13	DD	30 - 130 %
% Nitrobenzene-d5	90		%	12/17/13	DD	30 - 130 %
% Terphenyl-d14	105		%	12/17/13	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 23, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 23, 2013

QA/QC Data

SDG I.D.: GBF89109

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 261878, QC Sample No: BF85976 (BF89125, BF89126, BF89127)													
ICP Metals - SPLP Extraction													
Antimony	BRL	<0.005	<0.005	NC	100	101	1.0	103	101	2.0	75 - 125	20	
Arsenic	BRL	<0.004	<0.004	NC	98.7	99.7	1.0	102	99.6	2.4	75 - 125	20	
Barium	BRL	0.032	0.031	NC	105	102	2.9	103	102	1.0	75 - 125	20	
Beryllium	BRL	<0.001	<0.001	NC	104	101	2.9	102	69.6	37.8	75 - 125	20	m,r
Cadmium	BRL	<0.005	<0.005	NC	100	100	0.0	102	98.5	3.5	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	99.5	100	0.5	101	99.3	1.7	75 - 125	20	
Copper	BRL	0.012	<0.010	NC	106	104	1.9	106	104	1.9	75 - 125	20	
Lead	BRL	0.016	0.016	NC	98.6	98.4	0.2	99.9	98.0	1.9	75 - 125	20	
Nickel	BRL	<0.010	<0.010	NC	102	102	0.0	104	102	1.9	75 - 125	20	
Selenium	BRL	<0.020	<0.020	NC	98.6	98.6	0.0	101	99.3	1.7	75 - 125	20	
Silver	BRL	<0.010	<0.010	NC	101	99.0	2.0	101	99.0	2.0	75 - 125	20	
Thallium	BRL	<0.005	<0.005	NC	99.7	100	0.3	101	99.6	1.4	75 - 125	20	
Vanadium	BRL	<0.010	<0.010	NC	103	100	3.0	102	101	1.0	75 - 125	20	
Zinc	BRL	0.019	0.021	NC	100	101	1.0	103	99.8	3.2	75 - 125	20	
QA/QC Batch 262467, QC Sample No: BF88363 (BF89125, BF89126, BF89127)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	119	113	5.2	113	109	3.6	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 262466, QC Sample No: BF88693 (BF89125, BF89126, BF89127)													
Mercury - Soil	BRL	<0.08	<0.08	NC	120	121	0.8	128	110	15.1	70 - 130	30	m
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 262411, QC Sample No: BF89009 (BF89125, BF89126, BF89127)													
ICP Metals - Soil													
Antimony	BRL	<3.4	<3.6	NC	104	102	1.9	78.5	76.3	2.8	75 - 125	30	
Arsenic	BRL	22.1	21.1	4.60	99.5	99.1	0.4	89.1	85.3	4.4	75 - 125	30	
Barium	BRL	66.3	95.0	35.6	97.9	99.4	1.5	111	120	7.8	75 - 125	30	r
Beryllium	BRL	0.56	0.47	NC	99.7	99.0	0.7	92.9	89.7	3.5	75 - 125	30	
Cadmium	BRL	<0.34	<0.36	NC	99.8	98.2	1.6	89.3	85.9	3.9	75 - 125	30	
Chromium	BRL	24.1	24.6	2.10	100	98.6	1.4	97.1	97.6	0.5	75 - 125	30	
Copper	BRL	17.5	14.4	19.4	100	98.5	1.5	100	97.6	2.4	75 - 125	30	
Lead	BRL	8.90	7.18	21.4	101	99.5	1.5	89.8	86.9	3.3	75 - 125	30	
Nickel	BRL	14.4	12.5	14.1	100	98.4	1.6	90.8	87.8	3.4	75 - 125	30	
Selenium	BRL	<1.4	<1.4	NC	101	98.9	2.1	81.0	78.9	2.6	75 - 125	30	
Silver	BRL	<0.34	<0.36	NC	100	99.0	1.0	97.9	95.5	2.5	75 - 125	30	
Thallium	BRL	<3.1	<3.3	NC	99.0	101	2.0	91.6	88.0	4.0	75 - 125	30	
Vanadium	BRL	36.5	34.8	4.80	100	99.5	0.5	97.9	105	7.0	75 - 125	30	
Zinc	BRL	67.3	59.7	12.0	101	99.7	1.3	87.5	89.2	1.9	75 - 125	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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QA/QC Report

December 23, 2013

QA/QC Data

SDG I.D.: GBF89109

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 262386, QC Sample No: BF89015 (BF89109, BF89110, BF89111, BF89112, BF89113, BF89114, BF89115, BF89116, BF89117, BF89118, BF89119)										
TPH by GC (Extractable Products) - Soil										
Ext. Petroleum HC	ND	65	67	3.0	74	68	8.5	60 - 120	30	
% n-Pentacosane	86	81	80	1.2	72	82	13.0	50 - 150	30	
QA/QC Batch 262415, QC Sample No: BF89015 (BF89120, BF89121, BF89122, BF89123, BF89124, BF89125, BF89126, BF89127)										
TPH by GC (Extractable Products) - Soil										
Ext. Petroleum HC	ND	65	67	3.0	74	68	8.5	60 - 120	30	
% n-Pentacosane	86	81	80	1.2	72	82	13.0	50 - 150	30	
QA/QC Batch 262507, QC Sample No: BF89022 (BF89109)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	103	108	4.7	97	94	3.1	70 - 130	30	
1,1,1-Trichloroethane	ND	106	109	2.8	101	98	3.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	100	101	1.0	94	93	1.1	70 - 130	30	
1,1,2-Trichloroethane	ND	105	108	2.8	95	94	1.1	70 - 130	30	
1,1-Dichloroethane	ND	104	108	3.8	101	98	3.0	70 - 130	30	
1,1-Dichloroethene	ND	105	109	3.7	99	90	9.5	70 - 130	30	
1,1-Dichloropropene	ND	106	107	0.9	101	101	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	101	104	2.9	91	90	1.1	70 - 130	30	
1,2,3-Trichloropropane	ND	97	109	11.7	86	93	7.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	100	103	3.0	89	89	0.0	70 - 130	30	
1,2,4-Trimethylbenzene	ND	106	112	5.5	98	97	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	105	106	0.9	84	82	2.4	70 - 130	30	
1,2-Dibromoethane	ND	106	107	0.9	95	94	1.1	70 - 130	30	
1,2-Dichlorobenzene	ND	101	105	3.9	98	95	3.1	70 - 130	30	
1,2-Dichloroethane	ND	103	106	2.9	98	95	3.1	70 - 130	30	
1,2-Dichloropropane	ND	105	108	2.8	100	96	4.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	103	108	4.7	100	99	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	101	105	3.9	96	95	1.0	70 - 130	30	
1,3-Dichloropropane	ND	104	107	2.8	96	94	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	101	104	2.9	97	95	2.1	70 - 130	30	
2,2-Dichloropropane	ND	107	110	2.8	93	91	2.2	70 - 130	30	
2-Chlorotoluene	ND	102	108	5.7	99	98	1.0	70 - 130	30	
2-Hexanone	ND	98	105	6.9	59	60	1.7	70 - 130	30	m
2-Isopropyltoluene	ND	102	107	4.8	100	99	1.0	70 - 130	30	
4-Chlorotoluene	ND	101	106	4.8	96	96	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	109	109	0.0	87	88	1.1	70 - 130	30	
Acetone	ND	89	87	2.3	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	106	103	2.9	97	96	1.0	70 - 130	30	
Benzene	ND	102	106	3.8	100	98	2.0	70 - 130	30	
Bromobenzene	ND	99	105	5.9	97	96	1.0	70 - 130	30	
Bromochloromethane	ND	103	106	2.9	100	98	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBF89109

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromodichloromethane	ND	103	107	3.8	96	93	3.2	70 - 130	30	
Bromoform	ND	104	105	1.0	88	83	5.8	70 - 130	30	
Bromomethane	ND	100	98	2.0	97	83	15.6	70 - 130	30	
Carbon Disulfide	ND	101	103	2.0	92	86	6.7	70 - 130	30	
Carbon tetrachloride	ND	105	106	0.9	91	88	3.4	70 - 130	30	
Chlorobenzene	ND	102	108	5.7	100	98	2.0	70 - 130	30	
Chloroethane	ND	103	106	2.9	95	86	9.9	70 - 130	30	
Chloroform	ND	103	105	1.9	102	97	5.0	70 - 130	30	
Chloromethane	ND	109	108	0.9	92	84	9.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	105	106	0.9	100	97	3.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	105	1.9	94	92	2.2	70 - 130	30	
Dibromochloromethane	ND	104	111	6.5	94	89	5.5	70 - 130	30	
Dibromomethane	ND	104	105	1.0	97	94	3.1	70 - 130	30	
Dichlorodifluoromethane	ND	107	106	0.9	89	81	9.4	70 - 130	30	
Ethylbenzene	ND	101	105	3.9	100	98	2.0	70 - 130	30	
Hexachlorobutadiene	ND	102	107	4.8	97	96	1.0	70 - 130	30	
Isopropylbenzene	ND	104	112	7.4	100	99	1.0	70 - 130	30	
m&p-Xylene	ND	103	108	4.7	101	100	1.0	70 - 130	30	
Methyl ethyl ketone	ND	91	91	0.0	58	59	1.7	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	97	98	1.0	93	90	3.3	70 - 130	30	
Methylene chloride	ND	96	99	3.1	84	77	8.7	70 - 130	30	
Naphthalene	ND	105	105	0.0	89	89	0.0	70 - 130	30	
n-Butylbenzene	ND	105	109	3.7	96	94	2.1	70 - 130	30	
n-Propylbenzene	ND	110	116	5.3	98	98	0.0	70 - 130	30	
o-Xylene	ND	102	105	2.9	102	100	2.0	70 - 130	30	
p-Isopropyltoluene	ND	104	109	4.7	98	97	1.0	70 - 130	30	
sec-Butylbenzene	ND	103	108	4.7	101	100	1.0	70 - 130	30	
Styrene	ND	100	103	3.0	100	97	3.0	70 - 130	30	
tert-Butylbenzene	ND	105	112	6.5	102	101	1.0	70 - 130	30	
Tetrachloroethene	ND	105	108	2.8	100	96	4.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	108	103	4.7	100	102	2.0	70 - 130	30	
Toluene	ND	102	107	4.8	99	98	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	103	105	1.9	91	82	10.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	103	106	2.9	92	89	3.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	109	107	1.9	84	80	4.9	70 - 130	30	
Trichloroethene	ND	105	107	1.9	99	97	2.0	70 - 130	30	
Trichlorofluoromethane	ND	103	106	2.9	95	89	6.5	70 - 130	30	
Trichlorotrifluoroethane	ND	106	107	0.9	98	91	7.4	70 - 130	30	
Vinyl chloride	ND	106	110	3.7	95	86	9.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	99	100	1.0	99	98	1.0	70 - 130	30	
% Bromofluorobenzene	98	102	101	1.0	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	97	101	100	1.0	96	95	1.0	70 - 130	30	
% Toluene-d8	99	99	100	1.0	99	99	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

QA/QC Batch 262384, QC Sample No: BF89109 (BF89109, BF89110, BF89111, BF89112, BF89113, BF89114, BF89115, BF89116, BF89117, BF89118, BF89119, BF89120, BF89121, BF89122, BF89123, BF89124, BF89125, BF89126, BF89127)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	86	85	1.2	83	84	1.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30

QA/QC Data

SDG I.D.: GBF89109

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	76	79	3.9	76	78	2.6	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	79	78	80	2.5	76	75	1.3	30 - 150	30	
% TCMX (Surrogate Rec)	93	96	97	1.0	92	93	1.1	30 - 150	30	

QA/QC Batch 262404, QC Sample No: BF89118 (BF89109, BF89110, BF89111, BF89112, BF89113, BF89114, BF89115, BF89116, BF89117, BF89118, BF89119, BF89120, BF89121, BF89122, BF89123, BF89124, BF89125, BF89126, BF89127)

Polynuclear Aromatic HC - Soil

2-Methylnaphthalene	ND	80	82	2.5	89	93	4.4	30 - 130	30	
Acenaphthene	ND	80	82	2.5	91	94	3.2	30 - 130	30	
Acenaphthylene	ND	82	85	3.6	94	97	3.1	30 - 130	30	
Anthracene	ND	88	89	1.1	98	101	3.0	30 - 130	30	
Benz(a)anthracene	ND	87	89	2.3	98	100	2.0	30 - 130	30	
Benzo(a)pyrene	ND	81	81	0.0	94	94	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	87	94	7.7	108	109	0.9	30 - 130	30	
Benzo(ghi)perylene	ND	89	87	2.3	96	103	7.0	30 - 130	30	
Benzo(k)fluoranthene	ND	92	89	3.3	103	101	2.0	30 - 130	30	
Chrysene	ND	87	90	3.4	102	102	0.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	90	89	1.1	100	104	3.9	30 - 130	30	
Fluoranthene	ND	89	91	2.2	101	105	3.9	30 - 130	30	
Fluorene	ND	84	88	4.7	96	99	3.1	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	89	89	0.0	99	103	4.0	30 - 130	30	
Naphthalene	ND	76	78	2.6	85	89	4.6	30 - 130	30	
Phenanthrene	ND	87	90	3.4	99	102	3.0	30 - 130	30	
Pyrene	ND	90	92	2.2	102	105	2.9	30 - 130	30	
% 2-Fluorobiphenyl	88	84	86	2.4	94	95	1.1	30 - 130	30	
% Nitrobenzene-d5	86	79	81	2.5	88	90	2.2	30 - 130	30	
% Terphenyl-d14	96	99	98	1.0	106	107	0.9	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 262497, QC Sample No: BF89121 (BF89110, BF89111, BF89112, BF89113, BF89114, BF89115, BF89116, BF89117, BF89118, BF89119, BF89120, BF89121 (42, 1X) , BF89122, BF89123, BF89124, BF89125, BF89126 (56, 1X) , BF89127)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	100	99	1.0	101	95	6.1	70 - 130	30	
1,1,1-Trichloroethane	ND	98	103	5.0	102	97	5.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	92	98	6.3	96	97	1.0	70 - 130	30	
1,1,2-Trichloroethane	ND	108	102	5.7	101	99	2.0	70 - 130	30	
1,1-Dichloroethane	ND	99	105	5.9	99	87	12.9	70 - 130	30	
1,1-Dichloroethene	ND	104	101	2.9	89	82	8.2	70 - 130	30	
1,1-Dichloropropene	ND	100	115	14.0	97	100	3.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	97	103	6.0	92	62	39.0	70 - 130	30	m,r
1,2,3-Trichloropropane	ND	100	100	0.0	85	96	12.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	93	102	9.2	85	60	34.5	70 - 130	30	m,r
1,2,4-Trimethylbenzene	ND	110	108	1.8	102	94	8.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	99	101	2.0	99	99	0.0	70 - 130	30	
1,2-Dibromoethane	ND	106	103	2.9	102	97	5.0	70 - 130	30	
1,2-Dichlorobenzene	ND	96	98	2.1	93	91	2.2	70 - 130	30	
1,2-Dichloroethane	ND	94	92	2.2	97	92	5.3	70 - 130	30	
1,2-Dichloropropane	ND	103	101	2.0	98	95	3.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBF89109

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	107	106	0.9	104	98	5.9	70 - 130	30	
1,3-Dichlorobenzene	ND	96	98	2.1	92	90	2.2	70 - 130	30	
1,3-Dichloropropane	ND	100	102	2.0	100	96	4.1	70 - 130	30	
1,4-Dichlorobenzene	ND	94	94	0.0	89	87	2.3	70 - 130	30	
2,2-Dichloropropane	ND	99	104	4.9	102	97	5.0	70 - 130	30	
2-Chlorotoluene	ND	106	106	0.0	103	97	6.0	70 - 130	30	
2-Hexanone	ND	102	93	9.2	83	76	8.8	70 - 130	30	
2-Isopropyltoluene	ND	109	104	4.7	107	98	8.8	70 - 130	30	
4-Chlorotoluene	ND	101	102	1.0	98	94	4.2	70 - 130	30	
4-Methyl-2-pentanone	ND	105	102	2.9	99	95	4.1	70 - 130	30	
Acetone	ND	74	84	12.7	54	52	3.8	70 - 130	30	m
Acrylonitrile	ND	93	99	6.3	95	79	18.4	70 - 130	30	
Benzene	ND	100	99	1.0	97	100	3.0	70 - 130	30	
Bromobenzene	ND	99	99	0.0	96	97	1.0	70 - 130	30	
Bromochloromethane	ND	96	112	15.4	99	101	2.0	70 - 130	30	
Bromodichloromethane	ND	99	96	3.1	101	96	5.1	70 - 130	30	
Bromoform	ND	101	98	3.0	95	92	3.2	70 - 130	30	
Bromomethane	ND	97	100	3.0	103	94	9.1	70 - 130	30	
Carbon Disulfide	ND	100	99	1.0	86	79	8.5	70 - 130	30	
Carbon tetrachloride	ND	99	101	2.0	102	100	2.0	70 - 130	30	
Chlorobenzene	ND	98	100	2.0	96	95	1.0	70 - 130	30	
Chloroethane	ND	106	98	7.8	98	85	14.2	70 - 130	30	
Chloroform	ND	96	105	9.0	101	98	3.0	70 - 130	30	
Chloromethane	ND	107	99	7.8	113	99	13.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	95	108	12.8	96	93	3.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	100	3.0	99	97	2.0	70 - 130	30	
Dibromochloromethane	ND	100	102	2.0	98	95	3.1	70 - 130	30	
Dibromomethane	ND	100	96	4.1	95	90	5.4	70 - 130	30	
Dichlorodifluoromethane	ND	92	88	4.4	102	89	13.6	70 - 130	30	
Ethylbenzene	ND	100	102	2.0	99	97	2.0	70 - 130	30	
Hexachlorobutadiene	ND	100	102	2.0	99	90	9.5	70 - 130	30	
Isopropylbenzene	ND	116	113	2.6	109	106	2.8	70 - 130	30	
m&p-Xylene	ND	105	102	2.9	103	97	6.0	70 - 130	30	
Methyl ethyl ketone	ND	69	91	27.5	67	73	8.6	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	94	95	1.1	95	87	8.8	70 - 130	30	
Methylene chloride	ND	94	86	8.9	90	73	20.9	70 - 130	30	
Naphthalene	ND	113	123	8.5	101	74	30.9	70 - 130	30	r
n-Butylbenzene	ND	105	104	1.0	98	87	11.9	70 - 130	30	
n-Propylbenzene	ND	116	114	1.7	105	98	6.9	70 - 130	30	
o-Xylene	ND	107	108	0.9	106	102	3.8	70 - 130	30	
p-Isopropyltoluene	ND	111	108	2.7	106	97	8.9	70 - 130	30	
sec-Butylbenzene	ND	112	105	6.5	108	98	9.7	70 - 130	30	
Styrene	ND	100	108	7.7	100	100	0.0	70 - 130	30	
tert-Butylbenzene	ND	118	112	5.2	113	104	8.3	70 - 130	30	
Tetrachloroethene	ND	102	103	1.0	102	98	4.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	90	104	14.4	93	93	0.0	70 - 130	30	
Toluene	ND	107	104	2.8	103	100	3.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	103	95	8.1	91	79	14.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	106	103	2.9	107	100	6.8	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	99	99	0.0	95	89	6.5	70 - 130	30	
Trichloroethene	ND	105	102	2.9	99	92	7.3	70 - 130	30	
Trichlorofluoromethane	ND	102	96	6.1	96	86	11.0	70 - 130	30	
Trichlorotrifluoroethane	ND	107	100	6.8	96	84	13.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBF89109

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	110	104	5.6	104	94	10.1	70 - 130	30
% 1,2-dichlorobenzene-d4	103	100	101	1.0	99	102	3.0	70 - 130	30
% Bromofluorobenzene	94	97	97	0.0	98	100	2.0	70 - 130	30
% Dibromofluoromethane	106	96	103	7.0	96	97	1.0	70 - 130	30
% Toluene-d8	99	103	101	2.0	104	103	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 23, 2013

Monday, December 23, 2013

Requested Criteria: GAM, RC

State: CT

Sample Criteria Exceedences Report

GBF89109 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF89126	SPLP-PB	SPLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.096	0.010	0.015	0.015	mg/L
BF89127	SPLP-PB	SPLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.050	0.010	0.015	0.015	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** UST-CD-SE

Project Location: NICHOLS PROPERTY **Project Number:**

Laboratory Sample ID(s): BF89109, BF89110, BF89111, BF89112, BF89113, BF89114, BF89115, BF89116, BF89117, BF89118, BF89119, BF89120, BF89121, BF89122, BF89123, BF89124, BF89125, BF89126, BF89127

Sampling Date(s): 12/16/2013

RCP Methods Used:

☑ 1311/1312	☑ 6010	☐ 7000	☐ 7196	☑ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☑ 8260	☑ 8270	☑ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: _____

Date: Monday, December 23, 2013

Printed Name: Maryam Taylor

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

8270 Semi-volatile Organics:
Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid1 12/17/13-1 (BF89125, BF89126, BF89127)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/17/2013

Instrument: Aufid-d1 12/17/13-1 (BF89122, BF89123, BF89124)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/17/2013

Instrument: Au-xl2 12/16/13-2 (BF89109, BF89110, BF89111, BF89112, BF89113, BF89114, BF89115, BF89117, BF89118)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 12/16/2013

Instrument: Au-xl2 12/17/13-1 (BF89116, BF89119, BF89120, BF89121)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

Environmental Laboratories, Inc.
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RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

Printed Name Jeff Bucko
Position: Chemist
Date: 12/17/2013

QC (Batch Specific)

---------- Sample No: BF89015, QA/QC Batch: 262386 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BF89015, QA/QC Batch: 262415 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 12/17/13-1 (BF89125, BF89126, BF89127)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 12/17/2013

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RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

QC (Batch Specific)

---------- Sample No: BF88363, QA/QC Batch: 262467 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BF88693, QA/QC Batch: 262466 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Arcos 12/16/13-1 (BF89125, BF89126, BF89127)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 12/16/2013

Instrument: Arcos 12/17/13-1 (BF89125, BF89126, BF89127)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 12/17/2013

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

QC (Batch Specific)

---------- Sample No: BF85976, QA/QC Batch: 261878 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BF89009, QA/QC Batch: 262411 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PAH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem09 12/16/13-1 (BF89111, BF89112, BF89113, BF89118, BF89127)

The DDT breakdown and benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM09/BN_1216):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM09/1216_15-BN_1216):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 12/16/2013

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RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

QC (Site Specific)

---------- Sample No: BF89118, QA/QC Batch: 262404 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 12/17/13-1 (BF89124, BF89125, BF89126, BF89127)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 12/17/2013

Instrument: Au-ecd3 12/17/13-1 (BF89120, BF89121, BF89122, BF89123)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 12/17/2013

Instrument: Au-ecd6 12/17/13-1 (BF89109, BF89110, BF89111, BF89112, BF89113)

8082 Narration:

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 12/17/2013

Instrument: Au-ecd8 12/17/13-1 (BF89114, BF89115, BF89116, BF89117, BF89118, BF89119)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 12/17/2013

QC (Site Specific)

---------- Sample No: BF89109, QA/QC Batch: 262384 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem06 12/16/13-2 (BF89109, BF89110, BF89114, BF89115, BF89116, BF89117, BF89119, BF89120, BF89122, BF89123, BF89124, BF89125, BF89126)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM06/BN_1216):

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Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM06/1216_14-BN_1216):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 12/16/2013

Instrument: Chem07 12/16/13-1 (BF89121)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM07/SV_1216):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM07/1216_16-SV_1216):
98% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 2,4-dinitrophenol (-40%)[30%], 4,6-dinitro-2-methylphenol (-33%)[30%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-nitrophenol (.085)[0.1], Hexachlorobenzene (.073)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 12/16/2013

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Tel. (860) 645-1102 Fax (860) 645-0823

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RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

QC (Site Specific)

---------- Sample No: BF89118, QA/QC Batch: 262404 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 262497 (Samples: BF89110, BF89111, BF89112, BF89113, BF89114, BF89115, BF89116, BF89117, BF89118, BF89119, BF89120, BF89121, BF89122, BF89123, BF89124, BF89125, BF89126, BF89127): -----

Several QC recoveries are below range. A low bias is possible. (Methyl ethyl ketone)

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias is likely. (1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone)

Instrument: Chem03 12/16/13-2 (BF89109)

Initial Calibration Verification (CHEM03/RCPS_1215D):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM03/1216L37-RCPS_1215D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM03/1216L38-RCPS_1215D):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

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RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

Printed Name Raman Makol
Position: Chemist
Date: 12/16/2013

Instrument: Chem18 12/16/13-2 (BF89110, BF89111, BF89112, BF89113, BF89114, BF89115, BF89116, BF89117, BF89118, BF89119, BF89120, BF89121, BF89122, BF89123, BF89124, BF89125, BF89126, BF89127)

Initial Calibration Verification (CHEM18/RCPS_1216AD):
91% of target compounds met criteria.
The following compounds had %RSDs >20%: 1,2-Dibromo-3-Chloropropane (21%), 2-Hexanone (29%), 4-Methyl-2-Pentanone (22%), Isopropylbenzene (21%), Naphthalene (28%), p-Isopropyltoluene (21%), tert-Butylbenzene (21%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification #1 (CHEM18/1216M57-RCPS_1216AD):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Continuing Calibration Verification #2 (CHEM18/1216M58-RCPS_1216AD):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Harry Mullin
Position: Chemist
Date: 12/16/2013

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 23, 2013

SDG I.D.: GBF89109

QC (Site Specific)

---------- Sample No: BF89121, QA/QC Batch: 262497 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Methyl ethyl ketone(69%)

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 70 - 130 with the following exceptions: Acetone(54%), Methyl ethyl ketone(67%)

All MSD recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene(62%), 1,2,4-Trichlorobenzene(60%), Acetone(52%)

All MS/MSD RPDs were less than 30% with the following exceptions: 1,2,3-Trichlorobenzene(39.0%), 1,2,4-Trichlorobenzene(34.5%), Naphthalene(30.9%)

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BF89022, QA/QC Batch: 262507 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 3C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [✓] No [ ]
Coolant: IPK [ ] ICE [✓] No [ ]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Temp 3 °C Pg 1 of 2

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[X] Fax: (860) 298-6399
[X] Phone: (860) 298-9692
[X] Email: sfarrick@trcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: Nichols Property
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O: C203894.000002

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 12/16/13

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	CT ETPH	PAHs	PCBs	Total RSR 15 Metals	SPLP RSR 15 Metals	Soil VOA Vials [✓] methanol [✓] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
89109	VST-CD-SE	S	12/16/13	0855	X	X	X	X			3	1								
89110	VST-CD-SW			0900							3	1								
89111	VST-CD-NW			0905							3	1								
89112	VST-CD-NE			0910							3	1								
89113	VST-E-SW			0955							3	1								
89114	VST-E-SE			1000							3	1								
89115	VST-E-NW			1005							3	1								
89116	VST-E-NE			1010							3	1								
89117	VST-A-SE			1035							3	1								
89118	VST-A-SW			1040							3	1								
89119	VST-A-NW			1045							3	1								
89120	VST-A-NE			1050							3	1								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/16/13	1445

Comments, Special Requirements or Regulations:

Note: Use DAS rates for Town of Manchester DPW

Turnaround:
[X] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[X] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

Cooler: Yes [✓] No [ ]
Coolant: IPK [ ] ICE [✓] No [ ]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Temp 3 °C Pg 2 of 2

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[X] Fax: (860) 298-6399
[X] Phone: (860) 298-9692
[X] Email: sfarrick@bcsolutions.com

Customer: TRC Environmental
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: Niles Property
Report to: Steve Farrick
Invoice to: Steve Farrick

Project P.O: C203894-000002

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 12/16/13

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	CT ETPH	PAHs	PCBs	Total RSR 15 metals	SPLP RSR 15 Metals	Soil VOA Vials (1) methanol (2) H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
89121	UST-B-SE	S	12/16/13	1125	X	X	X	X				3	1							
89122	UST-B-SW	↓	↓	1130	↓	↓	↓	↓				3	1							
89123	UST-B-NW	↓	↓	1135	↓	↓	↓	↓				3	1							
89124	UST-B-NE	↓	↓	1140	↓	↓	↓	↓				3	1							
89125	AOC-6-Bottom	↓	↓	1235	↓	↓	↓	↓	X	X		3	1							
89126	Lift-N	↓	↓	1245	↓	↓	↓	↓	↓	↓		3	1							
89127	Lift-S	↓	↓	1305	↓	↓	↓	↓	↓	↓		3	1							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/16/13	1445

Comments, Special Requirements or Regulations:
Note: Use DAS rates for Town of Manchester DPW

Turnaround:
[X] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[X] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

State where samples were collected: CT

ATTACHMENT (4)

Manchester Landfill

Non-Hazardous Waste Disposal Tickets

256185

Print Form

MANCHESTER LANDFILL SPECIAL WASTE DISPOSAL MANIFEST

Non-Hazardous Waste Material (Special Waste, Contaminated Soil, Non-Friable Asbestos, Lead Abatement)

ORIGIN

Section I. Special Waste Source Code # 1077 / 583 Material Code: CCZ(6)

Section II. Generator Name: Town of Manchester
Site Address: 295-303 Broad Street Phone: (860) 647-3067
City: Manchester State: CT Zip: 06045

Section III. WASTE DESCRIPTION	CONTAINERS NO.	CONTAINERS TYPE	QUANTITY	UNIT *check box*
Contaminated Soils from UST removal				☐ Tons ☐ Gallons ☐ Yards

Section IV. SPECIAL HANDLING INSTRUCTIONS: Please check any that apply

None ☒ Material Contained within Liner ☐ Sealed in Fiber Drums ☐

Poly-Bagged ☐ Excavation Required ☐ Forklift Required ☐

OTHER: _____

Section V. GENERATOR CERTIFICATION

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 (soils) or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kate Sheffrel as agent of Town of Manchester — Print/Type Name & Title
4/2/14 — Shipment Date
KASM as agent of Town of Manchester — Signature

TRANSPORTER

Section VI. Name of Company: Green Hills Landscaping Phone: (860) 648-2247
Address: 75 Dockerel Road Tolland CT 06084
Driver: Wayne Kies Truck Number: 2007 / 8927
Receipt of Material (Driver's Signature) : _____
Date Load Originated : ____ / ____ / ____

DESTINATION

Section VII. Landfill Site: Town of Manchester Sanitary Landfill Date Received:
Address: 1 Landfill Way, P.O. Box 191
City: Manchester State: CT Zip Code: 06045-019
Signature of Scale Operator*: _____ Print: _____
** This certifies the waste was disposed of at the site shown above.*

DELIVERED
APR - 2 2014
CHRISTINE BRIMLEY
MANCHESTER LANDFILL

Section VIII. Notes: _____

#1

~~256167~~
256186

Print Form

MANCHESTER LANDFILL SPECIAL WASTE DISPOSAL MANIFEST

Non-Hazardous Waste Material (Special Waste, Contaminated Soil, Non-Friable Asbestos, Lead Abatement)

ORIGIN

Section I. Special Waste Source Code # 1077 / 583 Material Code: CCZ(6)

Section II. Generator Name: Town of Manchester
Site Address: 295-303 Broad Street Phone: (860) 647-3067
City: Manchester State: CT Zip: 06045

Section III. WASTE DESCRIPTION	CONTAINERS NO.	CONTAINERS TYPE	QUANTITY	UNIT check box
Contaminated Soils from UST removal				☐ Tons ☐ Gallons ☐ Yards

Section IV. SPECIAL HANDLING INSTRUCTIONS: Please check any that apply

None ☒ Material Contained within Liner ☐ Sealed in Fiber Drums ☐

Poly-Bagged ☐ Excavation Required ☐ Forklift Required ☐

OTHER: _____

Section V. GENERATOR CERTIFICATION

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 (soils) or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kate Sheffield as agent of Town of Manchester (Print/Type Name & Title) 4 2 14 (Shipment Date) KS as agent of Town of Manchester (Signature)

TRANSPORTER

Section VI. Name of Company: Green Hills Landscaping Phone: (860) 648-2247
Address: 75 Dockerel Road Tolland CT 06084
Driver: Wayne Kies Truck Number: 2007/8927
Receipt of Material (Driver's Signature): _____
Date Load Originated: ___/___/___

DESTINATION

Section VII. Landfill Site: Town of Manchester Sanitary Landfill Date Received:
Address: 1 Landfill Way, P.O. Box 191
City: Manchester State: CT Zip Code: 06045-0191
Signature of Scale Operator*: _____ Print: _____

DELIVERED APR - 2 2014 CHRISTINE BRIMLEY MANCHESTER LANDFILL

** This certifies the waste was disposed of at the site shown above.*

Section VIII. Notes: _____

AD CIS N. 12661

256187

Print Form

MANCHESTER LANDFILL SPECIAL WASTE DISPOSAL MANIFEST

Non-Hazardous Waste Material (Special Waste, Contaminated Soil, Non-Friable Asbestos, Lead Abatement)

ORIGIN

Section I. Special Waste Source Code # 1077 / 583 Material Code: CCZ(6)

Section II. Generator Name: Town of Manchester
Site Address: 295-303 Broad Street Phone: (860) 647-3067
City: Manchester State: CT Zip: 06045

Section III. WASTE DESCRIPTION	CONTAINERS NO.	CONTAINERS TYPE	QUANTITY	UNIT *check box*
Contaminated Soils from UST removal				☐ Tons ☐ Gallons ☐ Yards

Section IV. SPECIAL HANDLING INSTRUCTIONS: Please check any that apply

None ☒ Material Contained within Liner ☐ Sealed in Fiber Drums ☐

Poly-Bagged ☐ Excavation Required ☐ Forklift Required ☐

OTHER: _____

Section V. GENERATOR CERTIFICATION

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 (soils) or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kate Sheffield as agent of Town of Manchester (Print/Type Name & Title) — 4/2/14 (Shipment Date) — [signature] as agent of Town of Manchester (Signature)

TRANSPORTER

Section VI. Name of Company: Green Hills Landscaping Phone: (860) 648-2247
Address: 75 Dockerel Road Tolland CT 06084
Driver: John Williams Truck Number: 8928
Receipt of Material (Driver's Signature): [signature]
Date Load Originated: 4/2/14

DESTINATION

Section VII. Landfill Site: Town of Manchester Sanitary Landfill Date Received:
Address: 1 Landfill Way, P.O. Box 191
City: Manchester State: CT Zip Code: 06045-0191
Signature of Scale Operator*: [signature] Print:

DELIVERED APR - 2 2014 CHRISTINE BRIMLEY MANCHESTER LANDFILL

** This certifies the waste was disposed of at the site shown above.*

Section VIII. Notes: _____

#1 CI: K.72661

256188
~~256166~~

Print Form

MANCHESTER LANDFILL SPECIAL WASTE DISPOSAL MANIFEST

Non-Hazardous Waste Material (Special Waste, Contaminated Soil, Non-Friable Asbestos, Lead Abatement)

ORIGIN

Section I. Special Waste Source Code # 1077 / 583 Material Code: CCZ(6)

Section II. Generator Name: Town of Manchester
Site Address: 295-303 Broad Street Phone: (860) 647-3067
City: Manchester State: CT Zip: 06045

Section III. WASTE DESCRIPTION	CONTAINERS NO.	CONTAINERS TYPE	QUANTITY	UNIT *check box*
Contaminated Soils from UST removal				☐ Tons ☐ Gallons ☐ Yards

Section IV. SPECIAL HANDLING INSTRUCTIONS: Please check any that apply

None ☒ Material Contained within Liner ☐ Sealed in Fiber Drums ☐

Poly-Bagged ☐ Excavation Required ☐ Forklift Required ☐

OTHER: _____

Section V. GENERATOR CERTIFICATION

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 (soils) or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kate Sheffield as agent of Town of Manchester (Print/Type Name & Title) 4 2 14 (Shipment Date) [signature] as agent of town of Manchester (Signature)

TRANSPORTER

Section VI. Name of Company: Green Hills Landscaping Phone: (860) 648-2247
Address: 75 Dockerel Road Tolland CT 06084
Driver: John Williams Truck Number: 2003 / 8928
Receipt of Material (Driver's Signature): [signature]
Date Load Originated: 4/2/14

DESTINATION

Section VII. Landfill Site: Town of Manchester Sanitary Landfill Date Received: ___/___/___
Address: 1 Landfill Way, P.O. Box 191
City: Manchester State: CT Zip Code: 06045-0191
Signature of Scale Operator*: [signature] Print: _____
** This certifies the waste was disposed of at the site shown above.*

DELIVERED
APR - 2 2014
CHRISTINE BRIMLEY
MANCHESTER LANDFILL

Section VIII. Notes: _____

256223 John Fl 3rd

Print Form

MANCHESTER LANDFILL SPECIAL WASTE DISPOSAL MANIFEST

Non-Hazardous Waste Material (Special Waste, Contaminated Soil, Non-Friable Asbestos, Lead Abatement)

ORIGIN

Section I. Special Waste Source Code # 1077 Material Code: CCZ(6)

Section II. Generator Name: Town of Manchester
Site Address: 295-303 Broad Street Phone: (860) 647-3067
City: Manchester State: CT Zip: 06045

Section III. WASTE DESCRIPTION	CONTAINERS NO.	CONTAINERS TYPE	QUANTITY	UNIT *check box*
Contaminated Soils from UST removal				☐ Tons ☐ Gallons ☐ Yards

Section IV. SPECIAL HANDLING INSTRUCTIONS: Please check any that apply

None ☒ Material Contained within Liner ☐ Sealed in Fiber Drums ☐

Poly-Bagged ☐ Excavation Required ☐ Forklift Required ☐

OTHER: _____

Section V. GENERATOR CERTIFICATION

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 (soils) or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kale Sheffield as agent of Town of Manchester — Print/Type Name & Title
4/2/14 — Shipment Date
[signature] as agent of Town of Manchester — Signature

TRANSPORTER

Section VI. Name of Company: Green Hills Landscaping Phone: (860) 648-2247
Address: 75 Dockerel Road Tolland CT 06084
Driver: John Williams Truck Number: 8928
Receipt of Material (Driver's Signature): [signature]
Date Load Originated: 4/2/14

DESTINATION

Section VII. Landfill Site: Town of Manchester Sanitary Landfill Date Received: ___/___/___
Address: 1 Landfill Way, P.O. Box 191
City: Manchester State: CT Zip Code: 06045-0191
Signature of Scale Operator*: [signature] Print: _____
** This certifies the waste was disposed of at the site shown above.*

DELIVERED APR 02 2014 MELINDA HEMPHILL MANCHESTER LANDFILL

Section VIII. Notes: _____