November 25, 2013

Mr. Anthony Lopes, P.E.
NYSDEC Region 9
270 Michigan Avenue
Buffalo, New York 14203

Re: February 2013 IRM Work Plan Addendum
Pre-IRM Test Pitting and Soil Sampling Report
295 Maryland Street, Buffalo, New York (Site No: C915242)

Dear Mr. Lopes:

Benchmark Environmental Engineering & Science, PLLC (Benchmark) has prepared this letter report to summarize the results of the Pre-Interim Remedial Measures (IRM) test pitting and soil sampling at the above-referenced Site, and to present corresponding proposed modification to our February 2013 IRM Work Plan. The pre-IRM investigation was conducted to better define the extent of contamination, assess the quantity of soil/fill requiring off-site disposal at a landfill, and assess whether any soil/fill could be reused on another BCP site as cover material.

SOIL INVESTIGATION

The investigation was performed September 18-20, 2013 in accordance with Benchmark's September 9, 2013 Pre-IRM Test Pitting and Soil Sampling plan and included the completion of 25 test pits designated as TP-1-13 through TP-25-13 (see Figure 1). The test pits were advanced by Benchmark with a Komatsu PC150LC excavator to a maximum depth of approximately 14 feet below ground surface (fbgs). Soil/fill samples were generally characterized within each test pit in 2-foot intervals continuously from the ground surface through the test pit terminus. In addition, a total of 10 composite soil/fill samples were selected for laboratory analysis from 10 test pits at varying depths. The field observations and results of the sampling program are discussed below.

Field Observations

The physical characteristics of all soil/fill samples were classified using the Unified Soil Classification System (USCS) (Visual-Manual Method). Benchmark personnel scanned soil/fill in approximate 1- to 2-foot intervals for total volatile organic vapors with a Mini Rae 2000 Photoionization Detector (PID) equipped with a 10.6 eV lamp and noted visual and/or olfactory observations. PID measurements were recorded in the Project Field Book. Table 1 provides a summary of the field observations.

The majority of the upper soil/fill layer contains brick, steel, concrete, cinders, and ash. No evidence of gross impact was observed with the exception of elevated PID readings in two areas. As indicated on Figure 2 and Table 1, soil/fill PID screening during the test pit activities indicated field evidence of impact in two areas of concern (AOCs): AOC 1 as represented by test pit TP-6-13 (5.5 to 11 fbgs); and AOC 2 as represented by test pits TP-9-13 (4 to 14 fbgs) and TP-13-13 (0 to 7 fbgs). At these locations, PID readings greater than 100 ppm were reported along with moderate odors.

The soil/fill was visually assessed for potential reuse on other Brownfield Cleanup Program (BCP) sites as cover material; however, the quantity of debris present in the soil/fill and the elevated PID readings likely renders the fill unusable as cover at another BCP site. The native soil would be suitable for reuse; however, significant quantities of native soils are not slated for excavation.

Composite Soil/Fill Analytical Results

To assess potential impacts across the Site and determine alternative beneficial reuse of the soil/fill, composite subsurface soil/fill samples were submitted to the laboratory for analysis. Samples were transferred to laboratory supplied, pre-cleaned sample containers, stored on ice in a cooler, and transported to Alpha Analytical following chain of custody procedures. Alpha Analytical is an independent, New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. Table 2 summarizes the analytical program that was implemented in accordance with the September 9, 2013 Pre-IRM Test Pitting and Soil Sampling plan. The laboratory report is included in Appendix A.

Table 3 summarizes the soil/fill analytical results with comparison to the 6NYCRR Part 375-6 Soil Cleanup Objectives (SCOs). Historic data from the prior (2001) test pit investigation are also presented on Table 3 for reference. As indicated, there were no volatile organic compound (VOC) or semi-volatile organic compound (SVOC) concentrations that exceeded Unrestricted Use SCOs (USCOs) in the 2013 soil/fill samples with the exception of naphthalene at test pit TP-9-13 (9-12'). Concentrations of lead and mercury were detected at concentrations above USCOs in soil/fill samples from test pits TP-4-13 (0-3'), TP-5-13 (0-3'), TP-6-13 (7-9'), TP-24-13 (0.5-4'), and TP-25-13 (0.5-4'). No other inorganic compounds, herbicides, or pesticides were detected in excess of the USCOs during the 2013 per-IRM sampling. Figure 2 presents a summary of the historic and 2013 soil sample data relative to the test pit locations.

Samples from AOC 1 (TP-6-13; 7-9') and AOC 2 (TP-9-13; 9-12') were tested using the toxic characteristic leaching procedure (TCLP) with the extract analyzed for VOCs via USEPA Method 1311. As indicated on Table 3, no VOCs were detected in the extract from either sample. The negligible total VOCs and absence of leachable VOCs in these AOCs suggest that the elevated PID readings and moderate odors are indicative of weathered petroleum from a historic release.

Based on BCP cleanup Tracks 1 and 2 proposed in the 2013 IRM Work Plan, an estimated 9,000 tons of soil/fill would require excavation followed by confirmatory sampling and backfilling with clean material, which equates to an estimated remedial cost of $900,000.

IRM APPROACH

Based on the unlikely potential for reuse of Site fill material on another less restrictive BCP site and the newly identified areas of suspected weathered petroleum and metals impact, 295 Maryland, LLC has determined that the estimated quantity of soil/fill (approx. 9,000 tons) requiring removal under a Track 1 or Track 2 approach will render these alternatives infeasible due to the excessive capital cost.

Accordingly, the company will pursue a Track 4 cleanup involving remediation of soil/fill exceeding site-specific action levels (SSALs) followed by placement of a 2-foot soil or impervious (hardscape) cover system in order for the Site to be protective of human health for the typical property user (i.e., multi-family residential occupants). The proposed SSALs will address soil/fill that: significantly exceeds the Industrial SCOs[1]; has the potential to impact groundwater; or otherwise represents an unacceptable risk to public health or the environment in the context of reasonably anticipated future use of the Site. These SSALs were developed based on the planned removal of soil/fill AOCs during the IRM and the feasibility of achieving the SSALs based on the nine factors outlined in 6NYCRR Part 375-1.8(f) for remedy selection. Therefore, the following SSALs will be used to remediate the AOCs under the IRM:

- Total arsenic = Industrial SCO of 16 mg/kg
- Total lead = Industrial SCO of 3,900 mg/kg
- Total polyaromatic hydrocarbons (PAHs) = 500 ppm per NYSDEC CP-51 Policy

The Track 4 cleanup must also consider the need to remediate grossly impacted soil/fill (such as materials exhibiting petroleum impact) where feasible per NYSDEC cleanup policy. Therefore, the Track 4 cleanup will require remediation of the suspect weathered petroleum-impacted soil/fill AOCs 1 and 2. In addition, arsenic and lead concentrations in TP-5 (0-5'), advanced during the 2001 investigation, were above Industrial SCOs. This metals-impacted area is defined as AOC 3. AOC-1 through AOC-3 will need to be remediated prior to placement of the cover system.

Under the proposed Track 4 cleanup approach, an estimated 2,700 tons of soil/fill from AOCs 1-3 would be excavated followed by confirmatory sampling and backfilling with an associated initial remedial cost of approximately $335,000; a 60% reduction in cost over a Track 1 or Track 2 cleanup. Another advantage of Track 4 cleanup includes less disruption to the community due to decreased truck traffic. A Track 4 cleanup for soil/fill would also require institutional controls (e.g., groundwater and land use restrictions, Site Management Plan, and Environmental Easement) and engineering controls (e.g., cover systems) as

components of the final remedy to reduce future potential exposure to impacted soil/fill and groundwater.

IRM IMPLEMENTATION

With NYSDEC approval of a Track 4 cleanup, 295 Maryland, LLC will retain Benchmark to perform the AOC excavation and disposal activities as an IRM on a design-build basis. Beginning in December 2013, the AOCs will be excavated and transported to a permitted off-site solid waste disposal facility. Post-excavation verification sampling will be performed along the sidewalls and bottom of each excavation in accordance with Section 3.3.4 of the 2013 IRM Work Plan. The samples collected from AOCs 1 and 2 will be analyzed for VOCs and PAHs and screened with a PID to verify levels below 5 ppm. The samples collected from AOC 3 will be analyzed for total arsenic and total lead. Once the SSALs (as defined above) are met, the excavations will be backfilled with on-site material (e.g., soil/fill removed for construction of the parking lot and footers) deemed suitable by the NYSDEC.

It is our understanding that once this work has been completed, 295 Maryland, LLC will complete a Remedial Investigation and Alternative Analysis Report incorporating the IRM results, if acceptable, the NYSDEC will issue a Decision Document requiring: two feet of cover that meets RRSCOs over areas without hardscape or buildings; an Environmental Easement; and a Site Management Plan will also be prepared.

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

Sincerely,
Benchmark Environmental Engineering & Science, PLLC

Ray Laport, P.E.
Project Manager

c: A. LoRusso - 295 Maryland, LLC
T. Forbes- Benchmark

TABLES

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1
SUMMARY OF TEST PIT FIELD OBSERVATIONS

2013 IRM Work Plan Addendum
295 Maryland Street Site

Test Pit Number	Basement Present (Y/N)	Basement Depth (ft)	Concrete Slab Present (Y/N)	Fill		Native Soil		Sample Depth	PID Readings
				Depth	Description	Depth	Description		
TP-1-13	Y	4.5'	N	0-4.5'	Brown, moist, lean clay (low plasticity fines) with some cinders and ash, few metal and wood, stiff	4.5-9'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-2-13	Y	5.0'	Y	0-4.0'	Brown and gray, moist, sandy silt (non-plastic fines with some fine to coarse sand) with some fill (brick, concrete, metal pieces, cinders and ash)	4-7.5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-3-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with little fill (cinders, ash, and brick), stiff	4-5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-4-13	N	N	N	0-3.5'	Brown, moist, lean clay (low plasticity fines) with few fill (brick, rocks, and metal pieces)	3.5-6.5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles	0-3'	0
TP-5-13	N	N	N	0-3'	Brown, moist, lean clay (low plasticity fines) with few fill (bricks and ash), stiff	3-4'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles	0-3'	0
TP-6-13	N	N	N	0-5.5'	Brown, moist, lean clay (low plasticity fines) with few fill (brick, concrete and trace ash), stiff	5.5-11'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles, moderate odor	7-9'	0-5.5' = 0 5.5-7' = 400 7-9' = 1000 9-11' = 1300
TP-7-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with few fill (brick and concrete), stiff	3-7'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles	0-3'	0

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295 Maryland Street Site

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				Depth	Description	Depth	Description		
TP-8-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with some fill (basement rocks, bricks, and ash), stiff	4-5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-9-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with few fill (bricks, concrete and trace metal pieces), stiff	4-14'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles, moderate odor	9-12'	0-4' = 0 4-6' =300 6-11' = 400 11-14' = 500
TP-10-13	N	N	N	0-3.5'	Brown, moist, lean clay (low plasticity fines) with some fill (bricks, concrete, metal pieces, wood pieces, and ash), stiff	3.5-5.5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-11-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with some fill (bricks, concrete, metal pieces, wood pieces, cinders and ash), stiff	4-6'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-12-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with some fill (cinders,ash, bricks, and metal pieces), stiff	4-7'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-13-13	N	N	N	0-3'	Black and gray, moist, sandy gravel with little cinders and ash, moderate odor, loose	3-9'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles, moderate odor from 3 to 7', faint odor from 7 to 9'	8-9'	0-3' = 300 3-7' = 500 7-9' = 25
TP-14-13	N	N	N	0-3'	Brown, moist, lean clay (low plasticity fines) with some fill (bricks, basement rocks, wood pieces, metal pieces), stiff	3-5.5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0

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Test Pit Number	Basement Present (Y/N)	Basement Depth (ft)	Concrete Slab Present (Y/N)	Fill		Native Soil		Sample Depth	PID Readings
				Depth	Description	Depth	Description		
TP-15-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with some fill (bricks, wood pieces, metal pieces, trace cinders and ash), stiff	4-5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-16-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with some fill (bricks, wood pieces, metal pieces, trace cinders and ash), stiff	4-5.5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-17-13	Y	6'	Y	0-6'	Bricks and concrete with some lean clay and trace metal, stiff	6-8'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-18-13	Y	6'	Y	0-6'	Brown and black, moist, lean clay (low plasticity fines) with some fill (concrete, bricks, shingles, cinders and ash), stiff	6-8'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-19-13	Y	7'	N	0-7'	Concrete with some cinders, ash, brick and trace metal pieces	7-8.5'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0
TP-20-13	N	N	N	0-9+'	Pea stone with little concrete, few lean clay, and trace metal pieces, loose		Not encountered		0
TP-21-13	Y	5.5'	Y	0-5.5'	Brown, moist, lean clay (low plasticity fines) with some fill (concrete, bricks, and trace wood pieces, cinders and ash), stiff	5.5-7'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles		0

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Test Pit Number	Basement Present (Y/N)	Basement Depth (ft)	Concrete Slab Present (Y/N)	Fill		Native Soil		Sample Depth	PID Readings
				Depth	Description	Depth	Description		
TP-22-13	Y	5.5'	Y	0-5.5'	Brown, moist, lean clay (low plasticity fines) with some fill (concrete, bricks, and trace metal pieces), stiff	5.5-8'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles	6-8'	0
TP-23-13	N	N	N	0-1'	Dark brown, moist, lean clay (low plasticity fines) with few fill (bricks and concrete), stiff	1-8'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles	0.5-3'	0-1' = 0 1-5' =1.7 5-8' = 0
TP-24-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with few fill (bricks, concrete and trace ash), stiff	4-8'	Reddish brown, moist, lean clay (medium plasticity fines) with few sub-rounded fine gravel, very stiff, gray mottles	0.5-4'	0
TP-25-13	N	N	N	0-4'	Brown, moist, lean clay (low plasticity fines) with some fill (bricks, concrete, few cinders and ash), stiff			0.5-4'	0

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TABLE 2

ANALYTICAL SUMMARY

2013 IRM Work Plan Addendum
295 Maryland Street Site

Test Pit Number	Depth Sampled/ Screened (fbgs)	Analysis								
		TCL VOCs	TCL BN SVOCs	Select PAHs[1]	PCBs	TAL Metals	Select Metals[2]	Pesticides	Herbicides	TCLP VOCs
TP-4-13	0-3'	X	X		X	X		X	X	
TP-5-13	0-3'	X	X		X	X		X	X	
TP-6-13	7-9'	X	X							X
TP-7-13	0-3'			X	X		X			
TP-9-13	9-12'	X	X							X
TP-13-13	8-9'	X	X							
TP-22-13	6-8'	X	X		X	X		X	X	
TP-23-13	0.5-3'			X	X		X			
TP-24-13	0.5-4'			X	X		X			
TP-25-13	0.5-4'			X	X		X			

Notes:

1. Includes benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3)pyrene.
2. Includes arsenic, barium, cadmium, copper, lead, mercury, silver, and zinc.

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TABLE 3
SUMMARY OF SOIL/FILL ANALYTICAL RESULTS

2013 IRM Work Plan Addendum
295 Maryland Street Site

Parameter	SCOs					2001 Test Pit Investigation																						2013 Pre-IRM Test Pitting and Soil Sampling									
	USCO	RSCO	RRSCO	CSCO	ISCO	TP-1 0-0.5'	TP-1 0.5-8'	TP-2 0-0.5'	TP-2 0.5-8'	TP-3 0-0.5'	TP-3 0.5-8'	TP-4 0-0.5'	TP-4 0.5-8'	TP-5 0-0.5'	TP-5 0.5-8'	TP-6 0-0.5'	TP-6 0.5-8'	TP-7 0-0.5'	TP-7 0.5-5.5'	TP-8 0-0.5'	TP-8 0.5-8'	TP-9 0-0.5'	TP-9 0.5-8'	TP-10 0-0.5'	TP-10 0.5-8'	EM-6 Composite	MW-3 4-6'	SB-5 0-2'	TP-4-13 0-3'	TP-5-13 0-3'	TP-6-13 7-9'	TP-7-13 0-3'	TP-9-13 9-12'	TP-13-13 8-9'	TP-22-13 6-8'	TP-23-13 0.5-3'	TP-24-13 0.5-4'	TP-25-13 0.5-4'
Volatile Organics (µg/kg)																																					
Benzene	60	2900	4800	44,000	89,000	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	0.8	NA	--	NA	--	3	--	--	--	--	--	NA	--	--	NA	NA	NA
Acetone	50	100,000	100,000	500,000	1,000,000	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	--	--	--	--	--	--	NA	--	32	--	NA	NA	NA
2-butanone	None	None	None	None	None	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	--	--	--	--	--	--	NA	--	3 J	--	NA	NA	NA
Ethylbenzene	1,000	30,000	41,000	390,000	780,000	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	--	--	--	--	--	--	NA	62	--	--	NA	NA	NA
Bromomethane	None	None	None	None	None	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	--	--	--	--	--	--	NA	97 J	--	--	NA	NA	NA
p/m-xylene	260	100,000	100,000	500,000	1,000,000	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	--	--	--	--	--	--	NA	92 J	--	--	NA	NA	NA
Isopropylbenzene	None	None	None	None	None	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	--	--	--	--	--	--	NA	46 J	1.3	--	NA	NA	NA
Methylene chloride	50	5,100	100,000	500,000	1,000,000	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	--	7.9	3.5	--	--	--	NA	--	--	--	NA	NA	NA
TCLP Volatile Organics (µg/L)																																					
No Compounds Detected	None	None	None	None	None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	--	NA	NA	NA	NA	NA
Semi-Volatiles (µg/kg)																																					
2-Methylnaphthalene	None	None	None	None	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	69	--	--	--	--	--	--	18,000	--	--	NA	NA	NA
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	250	--	--	--	--	--	--	3,000	240	--	NA	NA	NA
Anthracene	100,000	100,000	100,000	500,000	1,000,000	--	--	--	--	220	--	2,100	--	330	--	280	98	200	--	440	200	2,500	280	4,700	930	--	--	20	80 J	58 J	--	62 J	960	--	--	--	--	4,000
Benzo(a)anthracene	1,000	1,000	1,000	5,600	11,000	150	--	85	--	840	--	4,900	110	1,200	--	1,800	290	1,700	290	2,000	900	8,700	760	17,000	2,000	2,700	--	73	320	240	--	220	100 J	--	64 J	52 J	--	4,800
Benzo(a)pyrene	1,000	1,000	1,000	1,000	1,100	110	--	--	--	750	--	3,600	--	1,200	--	2,100	250	3,000	370	2,000	900	7,100	670	13,000	1,600	--	--	59	300	260	--	200	--	--	53 J	57 J	--	3,400
Benzo(b)fluoranthene	1,000	1,000	1,000	5,600	11,000	--	--	--	--	1,100	--	5,100	--	1,800	--	3,000	360	3,900	350	3,000	1,300	9,900	1,000	19,000	2,600	--	--	84	350	270	--	250	54 J	--	65 J	77 J	--	4,300
Benzo(g,h,i)perylene	100,000	100,000	100,000	500,000	1,000,000	--	--	--	--	330	--	1,400	--	770	--	1,800	99	2,700	720	1,300	470	3,300	260	5,700	680	--	--	47	180	170	--	--	--	--	--	NA	NA	NA
Benzo(k)fluoranthene	800	1,000	3,900	56,000	110,000	--	--	--	--	410	--	1,900	--	540	--	900	140	1,200	--	1,100	540	3,800	330	8,100	980	--	--	31	180	130	--	120	--	--	66 J	40 J	--	2,000
Biphenyl	None	None	None	None	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,600	--	--	NA	NA	NA
Bis-2-ethylhexyl phthalate	None	None	None	None	None	--	--	--	--	--	--	--	--	--	--	--	--	250	970	--	--	--	--	--	--	--	--	120	--	--	--	--	--	--	--	NA	NA	NA
Butyl benzyl phthalate	None	None	None	None	None	--	--	--	--	--	--	--	--	--	--	--	--	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA
Carbazole	None	None	None	None	None	--	--	--	--	--	--	--	--	150	--	--	--	--	--	--	--	--	160	--	400	--	--	--	43 J	--	--	--	120 J	--	--	NA	NA	NA
Chrysene	1,000	1,000	3,900	56,000	110,000	120	--	75	--	710	--	4,100	98	1,100	--	1,600	240	1,700	420	1,700	830	7,400	660	14,000	1,700	2,800	--	77	330	210	--	240	110	--	--	60 J	--	4,200
Dibenzo (a,h) anthracene	330	330	330	560	1,100	--	--	--	--	--	--	--	--	--	--	420	--	610	--	--	--	--	--	--	--	--	--	--	50 J	55 J	--	--	--	--	--	--	--	560
Dibenzofuran	7,000	14,000	59,000	None	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	230	--	--	--	--	--	--	--	1,400	--	--	NA	NA	NA
Di-n-octyl phthalate	None	None	None	None	None	--	--	--	73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130	--	--	--	--	--	--	--	--	--	--	NA	NA	NA
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	230	--	--	--	1,700	--	13,000	240	2,500	--	2,200	570	1,400	320	3,600	2,400	19,000	1,600	38,000	4,800	--	--	150	640	280	37 J	--	700	--	120	NA	NA	NA
Fluorene	30,000	100,000	100,000	500,000	1,000,000	--	--	--	--	--	--	610	--	72	--	61	--	--	--	--	61	--	86	1,200	250	--	--	--	--	--	--	--	2,400	130 J	--	NA	NA	NA
Indeno(1,2,3-cd)pyrene	500	500	500	5,600	11,000	--	--	--	--	390	--	1,700	--	830	--	1,800	--	3,000	410	1,300	550	4,300	290	7,000	740	--	--	43	190	180	--	130 J	--	--	--	42 J	--	1,900
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	--	--	--	--	61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	--	--	--	--	--	--	17,000	--	--	NA	NA	NA
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	190	--	79	--	980	63	10,000	160	1,500	--	1,200	510	740	250	2,200	1,300	13,000	1,200	25,000	4,000	--	--	100	310	220	--	--	4,800	--	78 J	NA	NA	NA
Pyrene	100,000	100,000	100,000	500,000	1,000,000	230	--	130	--	1,600	110	10,000	190	3,600	--	6,400	530	5,500	1,900	4,800	2,200	18,000	1,500	35,000	4,100	--	--	120	530	260	--	--	580	--	100 J	NA	NA	NA
					TOTAL PAHs	*800*	--	*369*	*0*	*7,330*	*173*	*45,410*	*558*	*12,942*	--	*21,361*	*2,517*	*24,250*	*4,710*	*19,840*	*9,251*	*78,000*	*7,036*	*149,700*	*19,830*	*5,500*	--	*654*	*2,820*	*2,053*	--	*1,222*	*12,004*	*370*	*426*	*328*	--	*25,160*
PCBs (µg/kg)																																					
Total PCBs	100	1,000	1,000	1,000	25,000	--	--	--	--	--	42	12	--	48	--	61	--	57	--	91	--	211	--	765	--	--	--	--	--	--	NA	--	NA	NA	--	--	--	--
PCB 1254	None	None	None	None	None	--	--	--	--	--	42	12	--	48	--	61	--	57	--	91	--	211	--	765	--	--	--	--	--	--	NA	--	NA	NA	--	--	--	--
Pesticides (ug/kg)																																					
4,4'-DDE	3.3	1800	8900	62,000	120,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	4.1	4.66	--	NA	NA	NA	NA	--	NA	NA	NA
4,4'-DDT	3.3	1700	7900	47,000	94,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	4	--	--	NA	NA	NA	NA	--	NA	NA	NA
Inorganics (mg/kg)																																					
Aluminum	None	None	None	None	None	6,820	9,980	7,760	8,260	7,980	11,000	8,930	7,710	8,450	8,870	5,690	11,100	4,470	4,410	4,490	5,710	6,720	8,240	10,800	7,270	NA	11,600	13,800	8,700	10,000	NA	NA	NA	NA	8,000	NA	NA	NA
Antimony	None	None	None	None	None	--	--	--	--	--	--	--	8.11	--	--	--	--	7.18	--	7.83	--	--	8.45	--	--	NA	--	--	--	--	NA	NA	NA	NA	--	NA	NA	NA
Arsenic	13	16	16	16	16	2.9	3.5	7.8	2.8	7.2	3.3	16	2.4	23	3.1	4.2	5.2	3.1	4.1	4.7	7.8	4.1	7.5	1.1	3.2	NA	4.5	6.4	7	3.9	5	NA	NA	NA	3.5	2.8	4.4	3.4
Barium	350	350	400	400	10,000	97	82.7	90.2	67.4	218	95.5	327	80	516	78.2	213	106	61.8	552	98.8	192	143	150	140	73.5	NA	136	133	140	100	110	NA	NA	NA	72	78	72	69
Beryllium	7	14	72	590	2,700	0.486	0.539	0.646	0.477	0.536	0.676	0.596	0.46	0.601	0.506	0.603	0.628	0.543	0.244	0.493	0.478	0.778	0.508	2.03	0.467	NA	0.562	0.649	0.44	0.5	NA	NA	NA	NA	0.36 J	NA	NA	NA
Cadmium	2.5	2.5	4	9	60	--	0.608	--	0.885	1.29	--	3.17	0.775	4.2	0.673	1.44	0.599	0.872	1.41	0.651	2.26	2.91	1.81	1.87	0.697	NA	--	0.621	0.96	0.9	0.83	NA	NA	NA	0.72 J	0.63	0.6	1.1
Calcium	None	None	None	None	None	43,100	55,300	35,900	66,900	40,700	70,800	59,900	69,100	45,900	67,100	105,000	45,900	161,000	53,500	179,000	83,000	84,900	48,000	94,200	65,400	NA	55,100	13,200	40,000	9,000	NA	NA	NA	NA	67,000	NA	NA	NA
Chromium	30	36	180	1,500	6,800	8.84	11.5	9.08	10.5	65.4	14.4	37.4	11.3	71.6	11.8	17.2	15.3	11	10.7	13.6	13.8	30	18.9	18	11	NA	14.3	19.2	20	15	NA	NA	NA	NA	13	NA	NA	NA
Cobalt	None	None	None	None	None	5.34	7.83	5.61	7.87	7.42	8.85	6.96	7.15	6.91	9.2	3.74	7.64	1.9	5.38	2.9	5.4	5.15	6.45	3.83	6.09	NA	13	11.8	6	6.7	NA	NA	NA	NA	6.3	NA	NA	NA
Copper	50	270	270	270	1,000	23.8	19.3	25.7	18.5	141	39.5	52.3	17.2	52.3	18	28.8	23.3	19.9	33.4	23.2	49.3	35	28	30.7	22.5	NA	19.4	22.7	32	45	20	NA	NA	NA	19	12	18	37
Iron	None	None	None	None	None	11,100	14,600	8,830	14,600	14,500	19,700	15,200	13,000	15,700	15,200	8,850	17,200	6,390	9,990	7,620	14,500	17,300	19,700	11,700	13,000	NA	18,000	23,600	16,000	17,000	NA	NA	NA	NA	16,000	NA	NA	NA
Lead	63	400	400	1,000	3,900	302	55.2	182	34.3	3,610	126	3,270	167	8,160	36.3	632	150	71.4	1,420	176	503	602	344	328	97.6	NA	14.7	85.3	920	130	270	NA	NA	NA	48	17	110	120
Magnesium	None	None	None	None	None	7,170	16,600	9,630	21,100	12,000	22,900	9,830	20,100	12,000	24,500	15,800	17,900	18,200	9,160	13,600	9,960	23,500	16,000	28,500	21,600	NA	20,600	9,340	13,000	4,800	NA	NA	NA	NA	21,000	NA	NA	NA
Manganese	1,600	2,000	2,000	10,000	10,000	274	510	231	451	540	463	413	388	394	498	655	455	376	291	375	365	533	474	1,120	386	NA	648	904	340	520	NA	NA	NA	NA	390	NA	NA	NA
Mercury	0.18	0.81	0.81	3	6	0.31	--	0.3	--	1	0.3	0.94	0.19	1	--	--	0.062	--	--	0.11	0.92	0.35	0.25	--	--	NA	0.0218	0.167	1.3	1.1	0.7	NA	NA	NA	0.08	--	3.7	4
Nickel	30	140	310	310	10,000	11.1	16.7	11.6	17.6	17.8	20.3	16.2	15.2	15.5	18.3	14.8	19	9.55	10.6	9.59	20	15	17.2	14.9	15.1	NA	22	21.6	12	14	NA	NA	NA	NA	14	NA	NA	NA
Potassium	None	None	None	None	None	1120	1570	1320	1250	1250	1770	1410	1360	1370	1690	881	1620	579	803	726	996	983	1350	1030	1310	NA	1820	1910	950	960	NA	NA	NA	NA	1100	NA	NA	NA
Selenium	3.9	36	180	1,500	6,800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	--	--	--	--	NA	NA	NA	NA	--	NA	NA	NA
Silver	2	36	180	1,500	6,800	--	--	--	--	--	--	--	--	1.19	--	31.8	1.41	9.39	--	6.91	1.26	1.4	--	3.85	--	NA	--	--	--	--	NA	NA	NA	NA	--	--	--	--
Sodium	None	None	None	None	None	149	159	1080	258	299	172	255	155	224	218	379	210	233	339	315	306	208	170	446	228	NA	260	--	88 J	140 J	NA	NA	NA	NA	120 J	NA	NA	NA
Thallium	None	None	None	None	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	--	--	--	--	NA	NA	NA	NA	--	NA	NA	NA
Vanadium	None	None	None	None	None	14.9	19.9	20.7	17.7	19.9	26.2	20.1	17.2	19.1	19.5	12.2	22.6	10.2	12.2	8.37	17.1	11.9	18.8	10.3	15.3	NA	21.6	28.5	19	21	NA	NA	NA	NA	18	NA	NA	NA
Zinc	109	2,200	10,000	10,000	10,000	112	78	60.9	63.9	342	102	683	75.8	784	66.7	141	103	80	546	131	885	850	265	661	170	NA	66.5	135	210	140	99	NA	NA	NA	94	71	84	87

Notes:

= Exceeds the Unrestricted SCO (USCO)
= Exceeds the Residential SCO (RSCO)
= Exceeds the Restricted Residential SCO (RRSCO)
= Exceeds the Commercial Restricted SCO (CSCO)
= Exceeds the Industrial Restricted SCO (ISCO)

Semi-volatile Organic Compounds highlighted in blue are also categorized as Polyaromatic Hydrocarbons (PAHs). A total PAH concentration of 500 ppm was used to delineate the Track 4 cleanup extents in lieu of individual Industrial Restricted SCOs as specificed in the CP-51 policy.

Definitions:
TCLP = Toxic characteristic leaching procedure
NA = not analyzed
-- = Not Detected

FIGURES

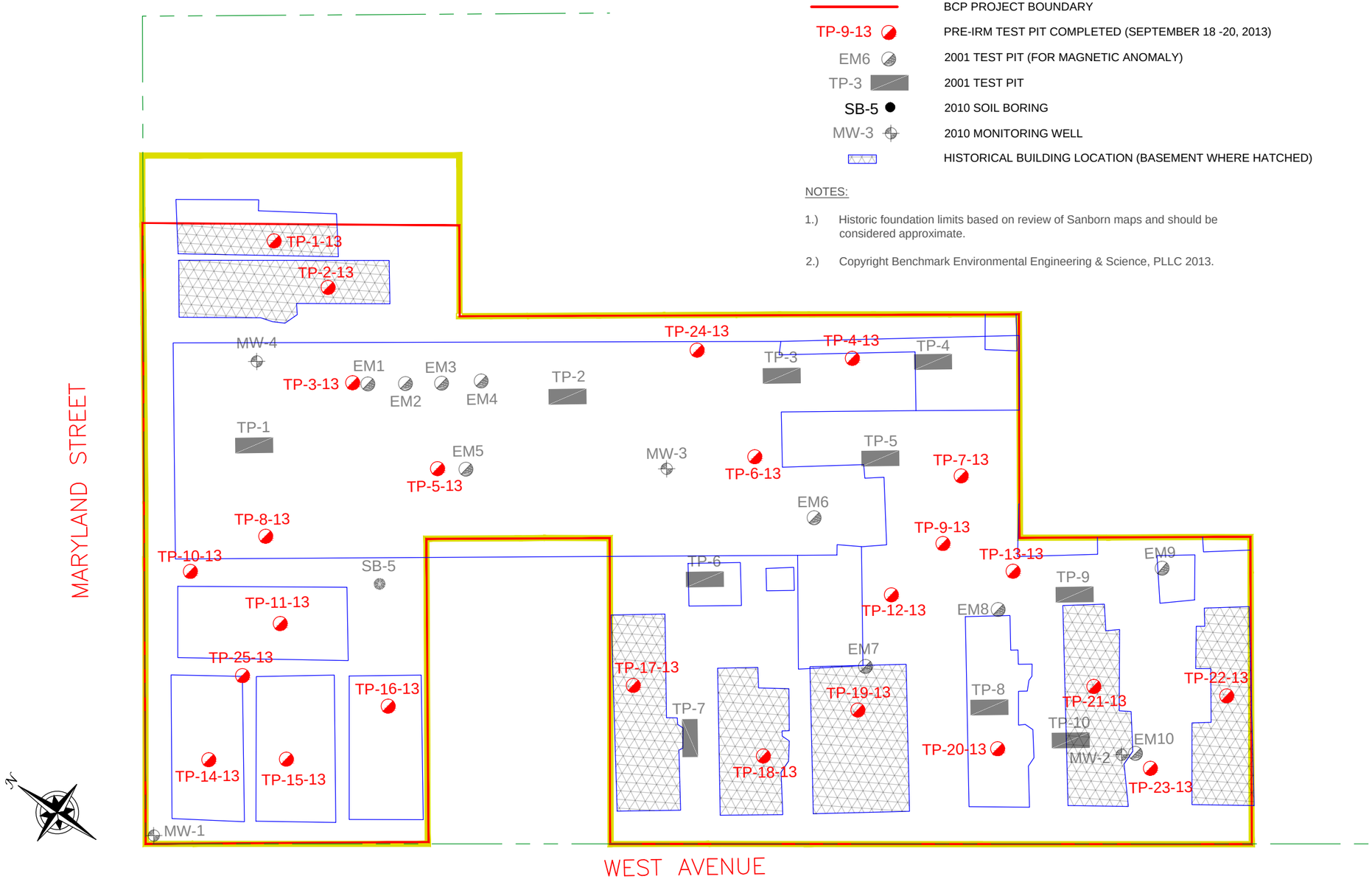
LEGEND:

- PROPERTY BOUNDARY
- BCP PROJECT BOUNDARY
- TP-9-13 — PRE-IRM TEST PIT COMPLETED (SEPTEMBER 18 -20, 2013)
- EM6 — 2001 TEST PIT (FOR MAGNETIC ANOMALY)
- TP-3 — 2001 TEST PIT
- SB-5 — 2010 SOIL BORING
- MW-3 — 2010 MONITORING WELL
- HISTORICAL BUILDING LOCATION (BASEMENT WHERE HATCHED)

NOTES:

1.) Historic foundation limits based on review of Sanborn maps and should be considered approximate.

2.) Copyright Benchmark Environmental Engineering & Science, PLLC 2013.



40 0' 40 80

SCALE: 1 INCH = 40 FEET
SCALE IN FEET
(approximate)

DATE: OCTOBER 2013
DRAFTED BY: HAA

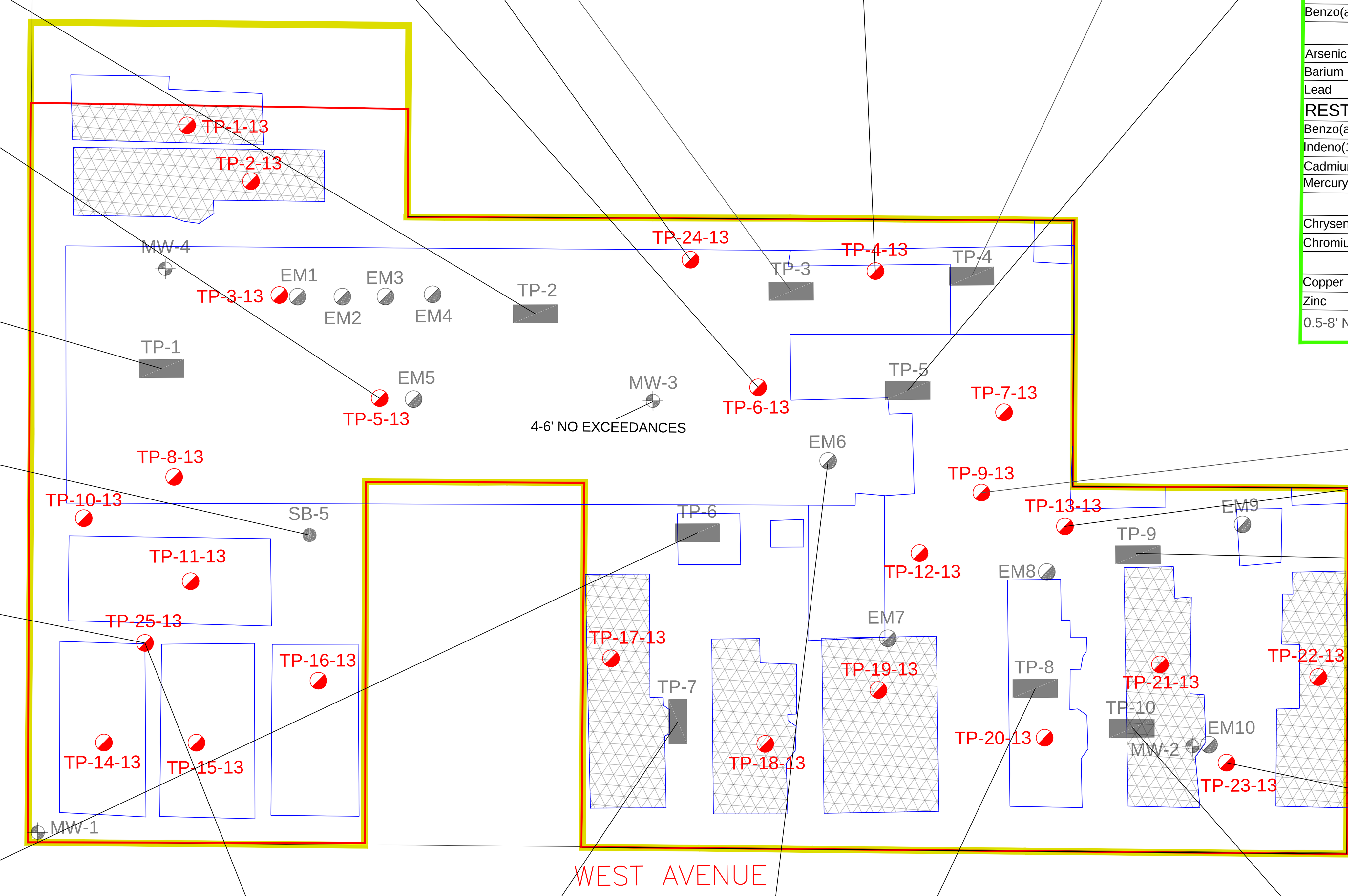
BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

JOB NO.: 0222-013-100

SAMPLE LOCATIONS

2013 IRM WORK PLAN ADDENDUM
295 MARYLAND STREET SITE
BUFFALO, NEW YORK
PREPARED FOR
295 MARYLAND LLC

FIGURE 1



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NOTES:

1.) Historic foundation limits based on review of Sanborn maps and should be considered approximate.

2.)

TP-24-13

COMMERCIAL SCO EXCEEDANCES		
Mercury	3.7 mg/kg	0.5 - 4'
UNRESTRICTED SCO EXCEEDANCES		
Lead	110 mg/kg	0.5 - 4'

TP-6-13

PID READINGS			
0 - 5.5'	5.5 - 7'	7 - 9'	9 - 11'
0	400	1,000	1,300

UNRESTRICTED SCO EXCEEDANCES		
Lead	270 mg/kg	7 - 9'
Mercury	0.7 mg/kg	7 - 9'

TP-2

UNRESTRICTED SCO EXCEEDANCES		
Lead	182 mg/kg	0 - 0.5'
Mercury	0.3 mg/kg	0 - 0.5'

0.5-8' NO EXCEEDANCES

TP-5-13

RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Mercury	1.1 mg/kg	0 - 3'
UNRESTRICTED SCO EXCEEDANCES		
Lead	130 mg/kg	0 - 3'

TP-1

UNRESTRICTED SCO EXCEEDANCES		
Lead	302 mg/kg	0 - 0.5'
Mercury	0.31 mg/kg	0 - 0.5'
Zinc	112 mg/kg	0 - 0.5'

0.5-8' NO EXCEEDANCES

SB-5

UNRESTRICTED SCO EXCEEDANCES		
4,4'-DDE	4.1 ug/kg	0 - 2'
4,4'-DDT	4.0 ug/kg	0 - 2'
Lead	85.3 mg/kg	0 - 2'

TP-25-13

COMMERCIAL SCO EXCEEDANCES		
Mercury	4 mg/kg	0.5 - 4'
UNRESTRICTED SCO EXCEEDANCES		
Lead	120 mg/kg	0.5 - 4'

TP-3

COMMERCIAL SCO EXCEEDANCES		
Lead	3,610 mg/kg	0 - 0.5'
RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Benzo(b)fluoranthene	1,100 ug/kg	0 - 0.5'
Mercury	1.0 mg/kg	0 - 0.5'
RESIDENTIAL SCO EXCEEDANCES		
Benzo(k)fluoranthene	3,800 ug/kg	0 - 0.5'
UNRESTRICTED SCO EXCEEDANCES		
Copper	141 mg/kg	0 - 0.5'
Zinc	342 mg/kg	0 - 0.5'
Lead	126 mg/kg	0.5 - 8'
Mercury	0.3 mg/kg	0.5 - 8'

TP-4-13

RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Lead	920 mg/kg	0 - 3'
Mercury	1.3 mg/kg	0 - 3'

TP-4

INDUSTRIAL SCO EXCEEDANCES		
Benzo(a)pyrene	3,600 ug/kg	0 - 0.5'
COMMERCIAL SCO EXCEEDANCES		
Arsenic	16 mg/kg	0 - 0.5'
Lead	3270 mg/kg	0 - 0.5'
RESTRICTED RESIDENTAIL SCO EXCEEDANCES		
Benzo(a)anthracene	4,900 ug/kg	0 - 0.5'
Benzo(b)fluoranthene	5,100 ug/kg	0 - 0.5'
Chrysene	4,100 ug/kg	0 - 0.5'
Indeno(1,2,3-cd)pyrene	1,700 ug/kg	0 - 0.5'
Mercury	0.94 mg/kg	0 - 0.5'
RESIDENTIAL SCO EXCEEDANCES		
Benzo(k)fluoranthene	1,900 ug/kg	0 - 0.5'
Barium	327 mg/kg	0 - 0.5'
Cadmium	3.17 mg/kg	0 - 0.5'
Chromium	37.4 mg/kg	0 - 0.5'
UNRESTRICTED SCO EXCEEDANCES		
Copper	52.3 mg/kg	0 - 0.5'
Zinc	683 mg/kg	0 - 0.5'
Lead	167 mg/kg	0.5 - 8'
Mercury	0.19 mg/kg	0.5 - 8'

TP-5

INDUSTRIAL SCO EXCEEDANCES		
Arsenic	23 mg/kg	0 - 0.5'
Lead	8,160 mg/kg	0 - 0.5'
Benzo(a)pyrene	1,200 ug/kg	0-0.5'
COMMERCIAL SCO EXCEEDANCES		
Arsenic	23 mg/kg	0 - 0.5'
Barium	516 mg/kg	0 - 0.5'
Lead	8,160 mg/kg	0 - 0.5'
RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Benzo(a)anthracene	1,200 ug/kg	0 - 0.5'
Indeno(1,2,3-cd)pyrene	830 ug/kg	0 - 0.5'
Cadmium	4.2 mg/kg	0 - 0.5'
Mercury	1.0 mg/kg	0 - 0.5'
RESIDENTIAL SCO EXCEEDANCES		
Chrysene	1,100 ug/kg	0 - 0.5'
Chromium	71.6 mg/kg	0 - 0.5'
UNRESTRICTED SCO EXCEEDANCES		
Copper	52.3 mg/kg	0 - 0.5'
Zinc	784 mg/kg	0 - 0.5'

0.5-8' NO EXCEEDANCES

TP-9-13

PID READINGS			
0 - 4'	4 - 6'	6 - 11'	11 - 14'
0	300	400	500

UNRESTRICTED SCO EXCEEDANCES		
Naphthalene	17,000 ug/kg	9 - 12'

TP-13-13

PID READINGS		
0 - 3'	3 - 7'	7 - 9'
300	500	25

TP-9

INDUSTRIAL SCO EXCEEDANCES		
Benzo(a)pyrene	7,100 ug/kg	0 - 0.5'
COMMERCIAL SCO EXCEEDANCES		
Benzo(a)anthracene	8,700 ug/kg	0 - 0.5'
Benzo(b)fluoranthene	9,900 ug/kg	0 - 0.5'
RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Chrysene	7,400 ug/kg	0 - 0.5'
Fluorene	4,300 ug/kg	0 - 0.5'
Lead	602 mg/kg	0 - 0.5'
RESIDENTIAL SCO EXCEEDANCES		
Benzo(k)fluoranthene	3,800 ug/kg	0 - 0.5'
Cadmium	2.91 mg/kg	0 - 0.5'
UNRESTRICTED SCO EXCEEDANCES		
Total PCBs	211 ug/kg	0 - 0.5'
Mercury	0.35 mg/kg	0 - 0.5'
Zinc	850 mg/kg	0 - 0.5'
Lead	344 mg/kg	0.5 - 8'
Mercury	0.25 mg/kg	0.5 - 8'
Zinc	265 mg/kg	0.5 - 8'

TP-23-13

PID READINGS		
0 - 1'	1 - 5'	5 - 8'
0	1.7	0

TP-6

INDUSTRIAL SCO EXCEEDANCES		
Benzo(a)pyrene	2,100 ug/kg	0-0.5'
RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Benzo(a)anthracene	1,800 ug/kg	0 - 0.5'
Benzo(b)fluoranthene	3,000 ug/kg	0 - 0.5'
Dibenzo(a,h)anthracene	420 ug/kg	0 - 0.5'
Indeno(1,2,3-cd)pyrene	1,800 ug/kg	0 - 0.5'
Lead	632 mg/kg	0 - 0.5'

UNRESTRICTED SCO EXCEEDANCES		
Silver	52.3 mg/kg	0 - 0.5'
Zinc	784 mg/kg	0 - 0.5'
Lead	150 mg/kg	0.5 - 8'

TP-25-13

COMMERCIAL SCO EXCEEDANCES		
Mercury	4 mg/kg	0.5 - 4'

TP-7

INDUSTRIAL SCO EXCEEDANCES		
Benzo(a)pyrene	3,000 ug/kg	0-0.5'
COMMERCIAL SCO EXCEEDANCES		
Barium	552 mg/kg	0.5 - 5.5'
Lead	1,420 mg/kg	0.5 - 5.5'
RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Benzo(a)anthracene	1,700 ug/kg	0 - 0.5'
Benzo(b)fluoranthene	3,900 ug/kg	0 - 0.5'
Dibenzo(a,h)anthracene	610 ug/kg	0 - 0.5'
Indeno(1,2,3-cd)pyrene	3,000 ug/kg	0 - 0.5'
RESIDENTIAL SCO EXCEEDANCES		
Benzo(k)fluoranthene	1,200 ug/kg	0 - 0.5'
Chrysene	1,700 ug/kg	0 - 0.5'
UNRESTRICTED SCO EXCEEDANCES		
Lead	71.4 mg/kg	0 - 0.5'
Silver	9.39 mg/kg	0 - 0.5'
Zinc	546 mg/kg	0.5 - 5.5'

TP-8

INDUSTRIAL SCO EXCEEDANCES		
Benzo(a)pyrene	2,000 ug/kg	0 - 0.5'
RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Benzo(a)anthracene	2,000 ug/kg	0 - 0.5'
Benzo(b)fluoranthene	3,000 ug/kg	0 - 0.5'
Benzo(b)fluoranthene	1,300 ug/kg	0.5 - 8'
Indeno(1,2,3-cd)pyrene	1,300 ug/kg	0 - 0.5'
Indeno(1,2,3-cd)pyrene	550 ug/kg	0.5 - 8'
Lead	503 mg/kg	0.5 - 8'
Mercury	0.92 mg/kg	0.5 - 8'
RESIDENTIAL SCO EXCEEDANCES		
Benzo(k)fluoranthene	1,100 ug/kg	0 - 0.5'
Chrysene	1,700 ug/kg	0 - 0.5'
UNRESTRICTED SCO EXCEEDANCES		
Lead	179 mg/kg	0 - 0.5'
Silver	6.91 mg/kg	0 - 0.5'
Zinc	131 mg/kg	0 - 0.5'
Zinc	885 mg/kg	0.5 - 8'

TP-10

INDUSTRIAL SCO EXCEEDANCES		
Benzo(a)anthracene	17,000 ug/kg	0 - 0.5'
Benzo(a)pyrene	13,000 ug/kg	0 - 0.5'
Benzo(a)pyrene	1,600 ug/kg	0.5 - 8'
Benzo(b)fluoranthene	19,000 ug/kg	0 - 0.5'
COMMERCIAL SCO EXCEEDANCES		
Indeno(1,2,3-cd)pyrene	7,000 ug/kg	0 - 0.5'
RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Benzo(k)fluoranthene	8,100 ug/kg	0 - 0.5'
Chrysene	14,000 ug/kg	0 - 0.5'
Benzo(a)anthracene	2,000 ug/kg	0.5 - 8'
Benzo(b)fluoranthene	2,600 ug/kg	0.5 - 8'
Indeno(1,2,3-cd)pyrene	740 ug/kg	0.5 - 8'
RESIDENTIAL SCO EXCEEDANCES		
Chrysene	1,700 ug/kg	0.5 - 8'
UNRESTRICTED SCO EXCEEDANCES		
Total PCBs	765 ug/kg	0 - 0.5'
Lead	328 mg/kg	0 - 0.5'
Silver	3.85 mg/kg	0 - 0.5'
Zinc	661 mg/kg	0 - 0.5'
Benzo(k)fluoranthene	980 ug/kg	0.5 - 8'
Lead	97.6 mg/kg	0.5 - 8'
Zinc	170 mg/kg	0.5 - 8'

EM-6

RESTRICTED RESIDENTIAL SCO EXCEEDANCES		
Benzo(a)anthracene	2,700 ug/kg	0 - 6'
RESIDENTIAL SCO EXCEEDANCES		
Chrysene	2,800 ug/kg	0 - 6'

30' 0' 30' 60'

SCALE: 1 INCH = 30 FEET
SCALE IN FEET
(approximate)

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

JOB NO.: 0222-013-100

REVISIONS

NO.	BY	DATE	REMARKS

SEAL

DRAWN BY: BLR
DATE: OCTOBER 2013
CHECKED BY: RFL
APPROVED BY:

EXTENT OF SOIL/FILL IMPACT

2013 IRM WORK PLAN ADDENDUM

295 MARYLAND STREET SITE
BUFFALO, NEW YORK

PREPARED FOR
295 MARYLAND AVE. LLC

FIGURE 2

TP-5		
INDUSTRIAL SCO EXCEEDANCES		
Arsenic	23 mg/kg	0 - 0.5'
Lead	8,160 mg/kg	0 - 0.5'

TP-6-13			
PID READINGS			
0 - 5.5'	5.5 - 7'	7 - 9'	9 - 11'
0	400	1,000	1,300

TP-9-13			
PID READINGS			
0 - 4'	4 - 6'	6 - 11'	11 - 14'
0	300	400	500

TP-13-13		
PID READINGS		
0 - 3'	3 - 7'	7 - 9'
300	500	25

MARYLAND STREET

WEST AVENUE

TP-1-13
TP-2-13
TP-3-13
TP-4-13
TP-5-13
TP-6-13
TP-7-13
TP-8-13
TP-9-13
TP-10-13
TP-11-13
TP-12-13
TP-13-13
TP-14-13
TP-15-13
TP-16-13
TP-17-13
TP-18-13
TP-19-13
TP-20-13
TP-21-13
TP-22-13
TP-23-13
TP-24-13
TP-25-13

TP-1
TP-2
TP-3
TP-4
TP-5
TP-6
TP-7
TP-8
TP-9
TP-10

MW-1
MW-2
MW-3
MW-4

EM1
EM2
EM3
EM4
EM5
EM6
EM7
EM8
EM9
EM10

SB-5

AOC 1
AOC 2
AOC 3

N

40 0' 40 80

SCALE: 1 INCH = 40 FEET
SCALE IN FEET
(approximate)

LEGEND:

- AREA OF CONCERN (EXCEEDANCE OF INDUSTRIAL SOIL CLEANUP OBJECTIVE FOR ARSENIC AND LEAD)
- AREA OF CONCERN (CONTAMINATED SOIL/FILL WITH ELEVATED PID READINGS)
- PROPERTY BOUNDARY
- BCP PROJECT BOUNDARY

NOTES:

1.) Actual excavation limits will be based on observations in the field (PID measurements) and analytical testing. Initial excavation extents will include a five foot off-set from impacted sample locations.

2.) Area of concern (AOC) based on exceedance of industrial soil cleanup objective, and/or presence of elevated PID readings or moderate to strong odors.

3.) Copyright Benchmark Environmental Engineering & Science, PLLC 2013.

DATE: OCTOBER 2013
DRAFTED BY: HAA

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

JOB NO.: 0222-013-100

AREAS OF CONCERN
BCP TRACK 4
2013 IRM WORK PLAN ADDENDUM
295 MARYLAND STREET SITE
BUFFALO, NEW YORK
PREPARED FOR
295 MARYLAND LLC

FIGURE 3

APPENDIX

ANALYTICAL REPORT

Lab Number:	L1318716
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Ray Laport
Phone:	(716) 856-0599
Project Name:	295 MARYLAND ST
Project Number:	0222-001-101
Report Date:	10/03/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318716-01	TP-4-13 (0-3')	295 MARYLAND ST	09/18/13 16:30
L1318716-02	TP-5-13 (0-3')	295 MARYLAND ST	09/18/13 11:50
L1318716-03	TP-6-13 (7-9')	295 MARYLAND ST	09/18/13 15:30
L1318716-04	TP-7-13 (0-3')	295 MARYLAND ST	09/19/13 08:40
L1318716-05	TP-9-13 (9-12')	295 MARYLAND ST	09/19/13 09:30
L1318716-06	TP-13-13 (8-9')	295 MARYLAND ST	09/19/13 16:00
L1318716-07	TP-22-13 (6-8')	295 MARYLAND ST	09/19/13 14:15
L1318716-08	TP-23-13 (0.5-3')	295 MARYLAND ST	09/19/13 15:30
L1318716-09	TP-24-13 (0.5-4')	295 MARYLAND ST	09/19/13 17:00
L1318716-10	TP-25-13 (0.5-4')	295 MARYLAND ST	09/20/13 11:30

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

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

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Case Narrative (continued)

Report Submission

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

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1318716-05 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1318716-10 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Chlorinated Herbicides

The WG638423-2 LCS recovery, associated with L1318716-02, is above the acceptance criteria for mcpa (178%); however, the associated sample is non-detect for this target compound. The results of the original analysis are reported.

The WG638423-2/-3 LCS/LCSD RPDs, associated with L1318716-02, are above the acceptance criteria for mcpa (66%) and dalapon (37%).

The WG639096-2/-3 LCS/LCSD recoveries, associated with L1318716-01 and -07, are above the acceptance criteria for mcpa (208%/250%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Metals

L1318716-01, -02, and -07 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

The WG639248-4 MS recoveries for aluminum (221%), calcium (1330%), iron (0%), lead (0%), magnesium

Project Name:	295 MARYLAND ST	**Lab Number:**	L1318716
Project Number:	0222-001-101	**Report Date:**	10/03/13

Case Narrative (continued)

(221%), and zinc (0%), performed on L1318716-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG639248-4 MS recovery, performed on L1318716-01, is below the acceptance criteria for thallium (63%). A post digestion spike was performed with an unacceptable recovery of 70%. This has been attributed to sample matrix.

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

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 10/03/13

ORGANICS

VOLATILES

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-01
Client ID: TP-4-13 (0-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/30/13 15:25
Analyst: BN
Percent Solids: 86%

Date Collected: 09/18/13 16:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.21	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
Bromoform	ND		ug/kg	4.6	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1

Project Name: 295 MARYLAND ST **Lab Number:** L1318716

Project Number: 0222-001-101 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-01 Date Collected: 09/18/13 16:30

Client ID: TP-4-13 (0-3') Date Received: 09/20/13

Sample Location: 295 MARYLAND ST Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.3	0.37	1
o-Xylene	ND		ug/kg	2.3	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.25	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.41	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.8	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.92	1
Isopropylbenzene	ND		ug/kg	1.2	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
Methyl Acetate	ND		ug/kg	23	0.89	1
Cyclohexane	ND		ug/kg	23	1.2	1
1,4-Dioxane	ND		ug/kg	120	20.	1
Freon-113	ND		ug/kg	23	0.32	1
Methyl cyclohexane	ND		ug/kg	4.6	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	99		70-130

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-02
Client ID: TP-5-13 (0-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/30/13 15:53
Analyst: BN
Percent Solids: 86%

Date Collected: 09/18/13 11:50
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.21	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
Bromoform	ND		ug/kg	4.7	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-02
Client ID: TP-5-13 (0-3')
Sample Location: 295 MARYLAND ST
Date Collected: 09/18/13 11:50
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.3	0.38	1
o-Xylene	ND		ug/kg	2.3	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.25	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.41	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.8	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.92	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
Methyl Acetate	ND		ug/kg	23	0.89	1
Cyclohexane	ND		ug/kg	23	1.2	1
1,4-Dioxane	ND		ug/kg	120	20.	1
Freon-113	ND		ug/kg	23	0.32	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-03	Date Collected:	09/18/13 15:30
Client ID:	TP-6-13 (7-9')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/02/13 10:48		
Analyst:	MM		
Percent Solids:	86%		
TCLP/SPLP Ext. Date:	10/01/13 13:55		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	1.4	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.7	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-03
Client ID: TP-6-13 (7-9')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/30/13 16:21
Analyst: BN
Percent Solids: 86%

Date Collected: 09/18/13 15:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.16	1
Chloromethane	ND		ug/kg	5.3	0.82	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-03
Client ID: TP-6-13 (7-9')
Sample Location: 295 MARYLAND ST
Date Collected: 09/18/13 15:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	10	0.23	1
Acetone	ND		ug/kg	10	3.3	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
2-Hexanone	ND		ug/kg	10	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.83	1
Isopropylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.83	1
Methyl Acetate	ND		ug/kg	21	0.80	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1
Freon-113	ND		ug/kg	21	0.29	1
Methyl cyclohexane	ND		ug/kg	4.2	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-05	Date Collected:	09/19/13 09:30
Client ID:	TP-9-13 (9-12')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/02/13 21:57		
Analyst:	MM		
Percent Solids:	86%		
TCLP/SPLP Ext. Date:	10/01/13 13:55		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	1.4	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.7	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	113		70-130

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-05 D
Client ID: TP-9-13 (9-12')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/30/13 16:49
Analyst: BN
Percent Solids: 86%

Date Collected: 09/19/13 09:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	580	120	50
1,1-Dichloroethane	ND		ug/kg	87	10.	50
Chloroform	ND		ug/kg	87	21.	50
Carbon tetrachloride	ND		ug/kg	58	12.	50
1,2-Dichloropropane	ND		ug/kg	200	13.	50
Dibromochloromethane	ND		ug/kg	58	18.	50
1,1,2-Trichloroethane	ND		ug/kg	87	18.	50
Tetrachloroethene	ND		ug/kg	58	8.1	50
Chlorobenzene	ND		ug/kg	58	20.	50
Trichlorofluoromethane	ND		ug/kg	290	7.0	50
1,2-Dichloroethane	ND		ug/kg	58	8.5	50
1,1,1-Trichloroethane	ND		ug/kg	58	6.4	50
Bromodichloromethane	ND		ug/kg	58	13.	50
trans-1,3-Dichloropropene	ND		ug/kg	58	7.0	50
cis-1,3-Dichloropropene	ND		ug/kg	58	7.4	50
Bromoform	ND		ug/kg	230	24.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	58	9.9	50
Benzene	ND		ug/kg	58	6.8	50
Toluene	ND		ug/kg	87	6.5	50
Ethylbenzene	62		ug/kg	58	8.5	50
Chloromethane	ND		ug/kg	290	45.	50
Bromomethane	97	J	ug/kg	120	20.	50
Vinyl chloride	ND		ug/kg	120	8.2	50
Chloroethane	ND		ug/kg	120	18.	50
1,1-Dichloroethene	ND		ug/kg	58	12.	50
trans-1,2-Dichloroethene	ND		ug/kg	87	12.	50
Trichloroethene	ND		ug/kg	58	8.8	50
1,2-Dichlorobenzene	ND		ug/kg	290	11.	50
1,3-Dichlorobenzene	ND		ug/kg	290	11.	50
1,4-Dichlorobenzene	ND		ug/kg	290	14.	50
Methyl tert butyl ether	ND		ug/kg	120	6.0	50

Project Name: 295 MARYLAND ST **Lab Number:** L1318716

Project Number: 0222-001-101 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-05 D Date Collected: 09/19/13 09:30

Client ID: TP-9-13 (9-12') Date Received: 09/20/13

Sample Location: 295 MARYLAND ST Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	92	J	ug/kg	120	19.	50
o-Xylene	ND		ug/kg	120	16.	50
cis-1,2-Dichloroethene	ND		ug/kg	58	8.6	50
Styrene	ND		ug/kg	120	18.	50
Dichlorodifluoromethane	ND		ug/kg	580	13.	50
Acetone	ND		ug/kg	580	180	50
Carbon disulfide	ND		ug/kg	580	120	50
2-Butanone	ND		ug/kg	580	20.	50
4-Methyl-2-pentanone	ND		ug/kg	580	14.	50
2-Hexanone	ND		ug/kg	580	11.	50
Bromochloromethane	ND		ug/kg	290	11.	50
1,2-Dibromoethane	ND		ug/kg	230	10.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	290	46.	50
Isopropylbenzene	46	J	ug/kg	58	9.7	50
1,2,3-Trichlorobenzene	ND		ug/kg	290	9.7	50
1,2,4-Trichlorobenzene	ND		ug/kg	290	46.	50
Methyl Acetate	ND		ug/kg	1200	44.	50
Cyclohexane	ND		ug/kg	1200	62.	50
1,4-Dioxane	ND		ug/kg	5800	1000	50
Freon-113	ND		ug/kg	1200	16.	50
Methyl cyclohexane	ND		ug/kg	230	73.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-06
Client ID: TP-13-13 (8-9')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/01/13 12:51
Analyst: PP
Percent Solids: 86%

Date Collected: 09/19/13 16:00
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
Bromoform	ND		ug/kg	4.7	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-06
Client ID: TP-13-13 (8-9')
Sample Location: 295 MARYLAND ST
Date Collected: 09/19/13 16:00
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.3	0.38	1
o-Xylene	ND		ug/kg	2.3	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.25	1
Acetone	32		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	3.0	J	ug/kg	12	0.41	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.8	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.92	1
Isopropylbenzene	1.3		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
Methyl Acetate	ND		ug/kg	23	0.89	1
Cyclohexane	ND		ug/kg	23	1.2	1
1,4-Dioxane	ND		ug/kg	120	20.	1
Freon-113	ND		ug/kg	23	0.32	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-07
Client ID: TP-22-13 (6-8')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/01/13 13:19
Analyst: PP
Percent Solids: 86%

Date Collected: 09/19/13 14:15
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
Bromoform	ND		ug/kg	4.7	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.92	1
Bromomethane	ND		ug/kg	2.3	0.40	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-07
Client ID: TP-22-13 (6-8')
Sample Location: 295 MARYLAND ST
Date Collected: 09/19/13 14:15
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.3	0.38	1
o-Xylene	ND		ug/kg	2.3	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.8	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.92	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
Methyl Acetate	ND		ug/kg	23	0.89	1
Cyclohexane	ND		ug/kg	23	1.2	1
1,4-Dioxane	ND		ug/kg	120	20.	1
Freon-113	ND		ug/kg	23	0.32	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/30/13 14:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG640411-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.28	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/30/13 14:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG640411-3					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	99		70-130

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/01/13 09:35
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG640457-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.31	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/01/13 09:35
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG640457-3					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: 295 MARYLAND ST
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Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/02/13 09:42
Analyst: MM
TCLP Extraction Date: 10/01/13 13:55
Extraction Date: 10/01/13 13:55

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG640659-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	1.4
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.7
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/02/13 17:10
Analyst: MM
TCLP Extraction Date: 10/01/13 13:55

Extraction Date: 10/01/13 13:55

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 05 Batch: WG640867-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	1.4
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.7
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

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Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG640411-1 WG640411-2								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	106		101		70-130	5		30
Chloroform	104		102		70-130	2		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	101		99		70-130	2		30
Dibromochloromethane	91		93		70-130	2		30
1,1,2-Trichloroethane	96		93		70-130	3		30
Tetrachloroethene	98		95		70-130	3		30
Chlorobenzene	96		92		70-130	4		30
Trichlorofluoromethane	110		99		70-139	11		30
1,2-Dichloroethane	103		103		70-130	0		30
1,1,1-Trichloroethane	104		101		70-130	3		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	89		92		70-130	3		30
cis-1,3-Dichloropropene	97		99		70-130	2		30
1,1-Dichloropropene	101		98		70-130	3		30
Bromoform	88		88		70-130	0		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	102		98		70-130	4		30
Toluene	97		90		70-130	7		30
Ethylbenzene	96		92		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

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Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG640411-1 WG640411-2								
Chloromethane	96		85		52-130	12		30
Bromomethane	103		88		57-147	16		30
Vinyl chloride	100		89		67-130	12		30
Chloroethane	128		109		50-151	16		30
1,1-Dichloroethene	101		96		65-135	5		30
trans-1,2-Dichloroethene	105		101		70-130	4		30
Trichloroethene	104		101		70-130	3		30
1,2-Dichlorobenzene	92		90		70-130	2		30
1,3-Dichlorobenzene	93		91		70-130	2		30
1,4-Dichlorobenzene	93		91		70-130	2		30
Methyl tert butyl ether	99		99		66-130	0		30
p/m-Xylene	98		94		70-130	4		30
o-Xylene	98		94		70-130	4		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Dibromomethane	100		98		70-130	2		30
Styrene	99		95		70-130	4		30
Dichlorodifluoromethane	85		69		30-146	21		30
Acetone	88		105		54-140	18		30
Carbon disulfide	99		95		59-130	4		30
2-Butanone	92		113		70-130	20		30
Vinyl acetate	93		98		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

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Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG640411-1 WG640411-2								
4-Methyl-2-pentanone	94		100		70-130	6		30
1,2,3-Trichloropropane	88		89		68-130	1		30
2-Hexanone	85		92		70-130	8		30
Bromochloromethane	107		104		70-130	3		30
2,2-Dichloropropane	104		104		70-130	0		30
1,2-Dibromoethane	91		93		70-130	2		30
1,3-Dichloropropane	93		90		69-130	3		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	94		91		70-130	3		30
n-Butylbenzene	92		90		70-130	2		30
sec-Butylbenzene	93		89		70-130	4		30
tert-Butylbenzene	94		90		70-130	4		30
o-Chlorotoluene	92		87		70-130	6		30
p-Chlorotoluene	93		89		70-130	4		30
1,2-Dibromo-3-chloropropane	76		78		68-130	3		30
Hexachlorobutadiene	96		94		67-130	2		30
Isopropylbenzene	94		89		70-130	5		30
p-Isopropyltoluene	94		91		70-130	3		30
Naphthalene	90		94		70-130	4		30
Acrylonitrile	104		104		70-130	0		30
Isopropyl Ether	106		102		66-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

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Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG640411-1 WG640411-2								
tert-Butyl Alcohol	95		102		70-130	7		30
n-Propylbenzene	93		89		70-130	4		30
1,2,3-Trichlorobenzene	94		97		70-130	3		30
1,2,4-Trichlorobenzene	93		97		70-130	4		30
1,3,5-Trimethylbenzene	94		90		70-130	4		30
1,2,4-Trimethylbenzene	94		90		70-130	4		30
Methyl Acetate	103		105		51-146	2		30
Ethyl Acetate	100		102		70-130	2		30
Acrolein	82		88		70-130	7		30
Cyclohexane	103		91		59-142	12		30
1,4-Dioxane	114		104		65-136	9		30
Freon-113	104		90		50-139	14		30
1,4-Diethylbenzene	94		92		70-130	2		30
4-Ethyltoluene	94		90		70-130	4		30
1,2,4,5-Tetramethylbenzene	95		95		70-130	0		30
Tetrahydrofuran	94		108		66-130	14		30
Ethyl ether	99		99		67-130	0		30
trans-1,4-Dichloro-2-butene	85		90		70-130	6		30
Methyl cyclohexane	99		88		70-130	12		30
Ethyl-Tert-Butyl-Ether	103		101		70-130	2		30
Tertiary-Amyl Methyl Ether	99		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG640411-1 WG640411-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		102		70-130
Toluene-d8	93		92		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	98		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

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Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG640457-1 WG640457-2								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	103		100		70-130	3		30
Chloroform	104		100		70-130	4		30
Carbon tetrachloride	103		99		70-130	4		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	92		91		70-130	1		30
2-Chloroethylvinyl ether	92		94		70-130	2		30
1,1,2-Trichloroethane	92		90		70-130	2		30
Tetrachloroethene	97		93		70-130	4		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	108		103		70-139	5		30
1,2-Dichloroethane	103		101		70-130	2		30
1,1,1-Trichloroethane	105		101		70-130	4		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	88		88		70-130	0		30
cis-1,3-Dichloropropene	97		96		70-130	1		30
1,1-Dichloropropene	100		98		70-130	2		30
Bromoform	88		89		70-130	1		30
1,1,2,2-Tetrachloroethane	84		85		70-130	1		30
Benzene	102		97		70-130	5		30
Toluene	93		89		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG640457-1 WG640457-2								
Ethylbenzene	94		92		70-130	2		30
Chloromethane	89		83		52-130	7		30
Bromomethane	113		103		57-147	9		30
Vinyl chloride	92		88		67-130	4		30
Chloroethane	129		127		50-151	2		30
1,1-Dichloroethene	99		96		65-135	3		30
trans-1,2-Dichloroethene	103		99		70-130	4		30
Trichloroethene	104		101		70-130	3		30
1,2-Dichlorobenzene	91		90		70-130	1		30
1,3-Dichlorobenzene	92		92		70-130	0		30
1,4-Dichlorobenzene	92		91		70-130	1		30
Methyl tert butyl ether	99		98		66-130	1		30
p/m-Xylene	96		93		70-130	3		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	104		99		70-130	5		30
Dibromomethane	100		98		70-130	2		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	70		68		30-146	3		30
Acetone	**152**	Q	**165**	Q	54-140	8		30
Carbon disulfide	98		93		59-130	5		30
2-Butanone	128		**137**	Q	70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG640457-1 WG640457-2								
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	96		96		70-130	0		30
1,2,3-Trichloropropane	84		84		68-130	0		30
2-Hexanone	107		111		70-130	4		30
Bromochloromethane	106		103		70-130	3		30
2,2-Dichloropropane	106		102		70-130	4		30
1,2-Dibromoethane	91		92		70-130	1		30
1,3-Dichloropropane	89		89		69-130	0		30
1,1,1,2-Tetrachloroethane	94		92		70-130	2		30
Bromobenzene	93		91		70-130	2		30
n-Butylbenzene	94		91		70-130	3		30
sec-Butylbenzene	92		90		70-130	2		30
tert-Butylbenzene	93		91		70-130	2		30
o-Chlorotoluene	89		90		70-130	1		30
p-Chlorotoluene	91		90		70-130	1		30
1,2-Dibromo-3-chloropropane	79		80		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	93		91		70-130	2		30
p-Isopropyltoluene	94		92		70-130	2		30
Naphthalene	89		89		70-130	0		30
Acrylonitrile	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

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Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG640457-1 WG640457-2								
Isopropyl Ether	103		100		66-130	3		30
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	92		90		70-130	2		30
1,2,3-Trichlorobenzene	95		95		70-130	0		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	93		91		70-130	2		30
1,2,4-Trimethylbenzene	93		91		70-130	2		30
Methyl Acetate	96		96		51-146	0		30
Ethyl Acetate	96		96		70-130	0		30
Acrolein	88		86		70-130	2		30
Cyclohexane	97		92		59-142	5		30
1,4-Dioxane	96		99		65-136	3		30
Freon-113	95		92		50-139	3		30
1,4-Diethylbenzene	95		92		70-130	3		30
4-Ethyltoluene	93		91		70-130	2		30
1,2,4,5-Tetramethylbenzene	96		94		70-130	2		30
Tetrahydrofuran	99		89		66-130	11		30
Ethyl ether	99		96		67-130	3		30
trans-1,4-Dichloro-2-butene	82		85		70-130	4		30
Methyl cyclohexane	93		90		70-130	3		30
Ethyl-Tert-Butyl-Ether	102		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG640457-1 WG640457-2								
Tertiary-Amyl Methyl Ether	98		99		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG640659-1 WG640659-2								
Chloroform	92		87		70-130	6		20
Carbon tetrachloride	96		91		63-132	5		20
Tetrachloroethene	93		87		70-130	7		20
Chlorobenzene	97		92		75-130	5		25
1,2-Dichloroethane	94		93		70-130	1		20
Benzene	96		91		70-130	5		25
Vinyl chloride	99		101		55-140	2		20
1,1-Dichloroethene	92		88		61-145	4		25
Trichloroethene	96		93		70-130	3		25
1,4-Dichlorobenzene	96		93		70-130	3		20
2-Butanone	71		82		63-138	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		98		70-130
Toluene-d8	91		93		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	97		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 05 Batch: WG640867-1 WG640867-2								
Chloroform	103		103		70-130	0		20
Carbon tetrachloride	115		122		63-132	6		20
Tetrachloroethene	103		102		70-130	1		20
Chlorobenzene	93		92		75-130	1		25
1,2-Dichloroethane	111		111		70-130	0		20
Benzene	94		92		70-130	2		25
Vinyl chloride	108		107		55-140	1		20
1,1-Dichloroethene	100		99		61-145	1		25
Trichloroethene	99		99		70-130	0		25
1,4-Dichlorobenzene	89		90		70-130	1		20
2-Butanone	88		94		63-138	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	122		120		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	111		110		70-130

SEMIVOLATILES

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-01	Date Collected:	09/18/13 16:30
Client ID:	TP-4-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	09/30/13 21:08		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	640		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	320		ug/kg	110	37.	1
Benzo(a)pyrene	300		ug/kg	150	46.	1
Benzo(b)fluoranthene	350		ug/kg	110	38.	1
Benzo(k)fluoranthene	180		ug/kg	110	36.	1
Chrysene	330		ug/kg	110	37.	1

Project Name: 295 MARYLAND ST **Lab Number:** L1318716

Project Number: 0222-001-101 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-01 Date Collected: 09/18/13 16:30

Client ID: TP-4-13 (0-3') Date Received: 09/20/13

Sample Location: 295 MARYLAND ST Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	80	J	ug/kg	110	32.	1
Benzo(ghi)perylene	180		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	310		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	50	J	ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	190		ug/kg	150	42.	1
Pyrene	530		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
Carbazole	43	J	ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		30-120
4-Terphenyl-d14	88		18-120

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-02	Date Collected:	09/18/13 11:50
Client ID:	TP-5-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	09/30/13 21:35		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	280		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	240		ug/kg	110	37.	1
Benzo(a)pyrene	260		ug/kg	150	46.	1
Benzo(b)fluoranthene	270		ug/kg	110	38.	1
Benzo(k)fluoranthene	130		ug/kg	110	36.	1
Chrysene	210		ug/kg	110	37.	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-02
Client ID: TP-5-13 (0-3')
Sample Location: 295 MARYLAND ST
Date Collected: 09/18/13 11:50
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	58	J	ug/kg	110	32.	1
Benzo(ghi)perylene	170		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	220		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	55	J	ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	150	42.	1
Pyrene	260		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	76		30-120
4-Terphenyl-d14	87		18-120

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-03	Date Collected:	09/18/13 15:30
Client ID:	TP-6-13 (7-9')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	09/30/13 22:03		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	37	J	ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-03
Client ID: TP-6-13 (7-9')
Sample Location: 295 MARYLAND ST
Date Collected: 09/18/13 15:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	85		18-120

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-04	Date Collected:	09/19/13 08:40
Client ID:	TP-7-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	09/30/13 22:31		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	220		ug/kg	110	37.	1
Benzo(a)pyrene	200		ug/kg	150	46.	1
Benzo(b)fluoranthene	250		ug/kg	110	38.	1
Benzo(k)fluoranthene	120		ug/kg	110	36.	1
Chrysene	240		ug/kg	110	37.	1
Anthracene	62	J	ug/kg	110	31.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	150	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	71		30-120
4-Terphenyl-d14	81		18-120

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-05	Date Collected:	09/19/13 09:30
Client ID:	TP-9-13 (9-12')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	09/30/13 22:58		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3000		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	700		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	13000	E	ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	100	J	ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	54	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	110		ug/kg	110	37.	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-05
Client ID: TP-9-13 (9-12')
Sample Location: 295 MARYLAND ST
Date Collected: 09/19/13 09:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	960		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	2400		ug/kg	190	54.	1
Phenanthrene	4800		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	580		ug/kg	110	37.	1
Biphenyl	2600		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	1400		ug/kg	190	63.	1
2-Methylnaphthalene	15000	E	ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
Carbazole	120	J	ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	76		30-120
4-Terphenyl-d14	82		18-120

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-05	D	Date Collected:	09/19/13 09:30
Client ID:	TP-9-13 (9-12')		Date Received:	09/20/13
Sample Location:	295 MARYLAND ST		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/24/13 18:30
Analytical Date:	10/01/13 09:40			
Analyst:	PS			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	17000		ug/kg	950	310	5
2-Methylnaphthalene	18000		ug/kg	1100	300	5

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-06	Date Collected:	09/19/13 16:00
Client ID:	TP-13-13 (8-9')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	09/30/13 23:26		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-06
Client ID: TP-13-13 (8-9')
Sample Location: 295 MARYLAND ST
Date Collected: 09/19/13 16:00
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	130	J	ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	76		30-120
4-Terphenyl-d14	79		18-120

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-07	Date Collected:	09/19/13 14:15
Client ID:	TP-22-13 (6-8')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	09/30/13 23:54		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	120		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	64	J	ug/kg	110	37.	1
Benzo(a)pyrene	53	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	65	J	ug/kg	110	39.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	66	J	ug/kg	110	38.	1

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-07
Client ID: TP-22-13 (6-8')
Sample Location: 295 MARYLAND ST
Date Collected: 09/19/13 14:15
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	78	J	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	100	J	ug/kg	110	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	1
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	74		30-120
4-Terphenyl-d14	91		18-120

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-08	Date Collected:	09/19/13 15:30
Client ID:	TP-23-13 (0.5-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	10/01/13 00:22		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	52	J	ug/kg	110	36.	1
Benzo(a)pyrene	57	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	77	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	40	J	ug/kg	110	36.	1
Chrysene	60	J	ug/kg	110	36.	1
Anthracene	ND		ug/kg	110	31.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	42	J	ug/kg	150	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		30-120
4-Terphenyl-d14	80		18-120

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-09	Date Collected:	09/19/13 17:00
Client ID:	TP-24-13 (0.5-4')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/24/13 18:30
Analytical Date:	10/01/13 00:50		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Anthracene	ND		ug/kg	110	31.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	83		18-120

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-10	D	Date Collected:	09/20/13 11:30
Client ID:	TP-25-13 (0.5-4')		Date Received:	09/20/13
Sample Location:	295 MARYLAND ST		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/24/13 18:30
Analytical Date:	10/01/13 01:18			
Analyst:	PS			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	4800		ug/kg	450	150	4
Benzo(a)pyrene	3400		ug/kg	600	180	4
Benzo(b)fluoranthene	4300		ug/kg	450	150	4
Benzo(k)fluoranthene	2000		ug/kg	450	140	4
Chrysene	4200		ug/kg	450	150	4
Anthracene	4000		ug/kg	450	120	4
Dibenzo(a,h)anthracene	560		ug/kg	450	150	4
Indeno(1,2,3-cd)pyrene	1900		ug/kg	600	170	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	89		30-120
4-Terphenyl-d14	75		18-120

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/25/13 20:17
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/24/13 18:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG638721-1					
Acenaphthene	ND		ug/kg	130	34.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NDPA/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/25/13 20:17
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/24/13 18:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG638721-1					
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	50.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/25/13 20:17
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/24/13 18:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG638721-1					
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG638721-2 WG638721-3								
Acenaphthene	75		79		31-137	5		50
Benzidine	27		20			30		50
n-Nitrosodimethylamine	71		74			4		50
1,2,4-Trichlorobenzene	67		70		38-107	4		50
Hexachlorobenzene	80		82		40-140	2		50
Bis(2-chloroethyl)ether	70		73		40-140	4		50
2-Chloronaphthalene	77		80		40-140	4		50
1,2-Dichlorobenzene	68		71		40-140	4		50
1,3-Dichlorobenzene	68		71		40-140	4		50
1,4-Dichlorobenzene	68		70		28-104	3		50
3,3'-Dichlorobenzidine	62		59		40-140	5		50
2,4-Dinitrotoluene	87		88		28-89	1		50
2,6-Dinitrotoluene	88		91		40-140	3		50
Fluoranthene	86		86		40-140	0		50
4-Chlorophenyl phenyl ether	76		80		40-140	5		50
4-Bromophenyl phenyl ether	80		84		40-140	5		50
Azobenzene	86		89		40-140	3		50
Bis(2-chloroisopropyl)ether	72		75		40-140	4		50
Bis(2-chloroethoxy)methane	74		77		40-117	4		50
Hexachlorobutadiene	65		69		40-140	6		50
Hexachlorocyclopentadiene	71		73		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG638721-2 WG638721-3								
Hexachloroethane	66		71		40-140	7		50
Isophorone	76		79		40-140	4		50
Naphthalene	72		73		40-140	1		50
Nitrobenzene	70		71		40-140	1		50
NDPA/DPA	82		85			4		50
n-Nitrosodi-n-propylamine	74		77		32-121	4		50
Bis(2-ethylhexyl)phthalate	98		101		40-140	3		50
Butyl benzyl phthalate	93		93		40-140	0		50
Di-n-butylphthalate	90		92		40-140	2		50
Di-n-octylphthalate	101		103		40-140	2		50
Diethyl phthalate	85		87		40-140	2		50
Dimethyl phthalate	81		84		40-140	4		50
Benzo(a)anthracene	87		87		40-140	0		50
Benzo(a)pyrene	84		87		40-140	4		50
Benzo(b)fluoranthene	78		80		40-140	3		50
Benzo(k)fluoranthene	91		94		40-140	3		50
Chrysene	86		90		40-140	5		50
Acenaphthylene	80		84		40-140	5		50
Anthracene	85		88		40-140	3		50
Benzo(ghi)perylene	82		82		40-140	0		50
Fluorene	80		83		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG638721-2 WG638721-3								
Phenanthrene	83		85		40-140	2		50
Dibenzo(a,h)anthracene	84		85		40-140	1		50
Indeno(1,2,3-cd)pyrene	79		80		40-140	1		50
Pyrene	85		86		35-142	1		50
Biphenyl	83		86			4		50
Aniline	53		53		40-140	0		50
4-Chloroaniline	60		63		40-140	5		50
2-Nitroaniline	91		95		47-134	4		50
3-Nitroaniline	48		44		26-129	9		50
4-Nitroaniline	79		83		41-125	5		50
Dibenzofuran	78		82		40-140	5		50
2-Methylnaphthalene	72		75		40-140	4		50
1,2,4,5-Tetrachlorobenzene	79		81		40-117	3		50
Acetophenone	81		83		14-144	2		50
2,4,6-Trichlorophenol	83		89		30-130	7		50
p-Chloro-m-cresol	90		94		26-103	4		50
2-Chlorophenol	72		76		25-102	5		50
2,4-Dichlorophenol	76		81		30-130	6		50
2,4-Dimethylphenol	80		84		30-130	5		50
2-Nitrophenol	74		78		30-130	5		50
4-Nitrophenol	98		102		11-114	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG638721-2 WG638721-3								
2,4-Dinitrophenol	76		81		4-130	6		50
4,6-Dinitro-o-cresol	82		85		10-130	4		50
Pentachlorophenol	78		82		17-109	5		50
Phenol	76		79		26-90	4		50
2-Methylphenol	76		80		30-130.	5		50
3-Methylphenol/4-Methylphenol	82		86		30-130	5		50
2,4,5-Trichlorophenol	89		91		30-130	2		50
Benzoic Acid	38		40			5		50
Benzyl Alcohol	76		79		40-140	4		50
Carbazole	86		88		54-128	2		50
Benzaldehyde	82		86			5		50
Caprolactam	97		101			4		50
Atrazine	101		104			3		50
2,3,4,6-Tetrachlorophenol	86		92			7		50
Pyridine	58		57		10-93	2		50
Parathion, ethyl	118		122		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG638721-2 WG638721-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		78		25-120
Phenol-d6	77		79		10-120
Nitrobenzene-d5	75		77		23-120
2-Fluorobiphenyl	79		81		30-120
2,4,6-Tribromophenol	87		90		0-136
4-Terphenyl-d14	85		86		18-120

PCBS

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-01	Date Collected:	09/18/13 16:30
Client ID:	TP-4-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/23/13 16:55
Analytical Date:	09/25/13 21:29	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/25/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	7.24	1	A
Aroclor 1221	ND		ug/kg	36.6	11.0	1	A
Aroclor 1232	ND		ug/kg	36.6	7.78	1	A
Aroclor 1242	ND		ug/kg	36.6	6.95	1	A
Aroclor 1248	ND		ug/kg	36.6	4.43	1	A
Aroclor 1254	ND		ug/kg	36.6	5.78	1	A
Aroclor 1260	ND		ug/kg	36.6	6.36	1	A
Aroclor 1262	ND		ug/kg	36.6	2.71	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-02	Date Collected:	09/18/13 11:50
Client ID:	TP-5-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/23/13 16:55
Analytical Date:	09/25/13 21:42	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/25/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	7.23	1	A
Aroclor 1221	ND		ug/kg	36.6	11.0	1	A
Aroclor 1232	ND		ug/kg	36.6	7.78	1	A
Aroclor 1242	ND		ug/kg	36.6	6.95	1	A
Aroclor 1248	ND		ug/kg	36.6	4.43	1	A
Aroclor 1254	ND		ug/kg	36.6	5.77	1	A
Aroclor 1260	ND		ug/kg	36.6	6.36	1	A
Aroclor 1262	ND		ug/kg	36.6	2.71	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-04	Date Collected:	09/19/13 08:40
Client ID:	TP-7-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/23/13 16:55
Analytical Date:	09/25/13 21:54	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/25/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	7.38	1	A
Aroclor 1221	ND		ug/kg	37.4	11.3	1	A
Aroclor 1232	ND		ug/kg	37.4	7.94	1	A
Aroclor 1242	ND		ug/kg	37.4	7.10	1	A
Aroclor 1248	ND		ug/kg	37.4	4.52	1	A
Aroclor 1254	ND		ug/kg	37.4	5.89	1	A
Aroclor 1260	ND		ug/kg	37.4	6.49	1	A
Aroclor 1262	ND		ug/kg	37.4	2.76	1	A
Aroclor 1268	ND		ug/kg	37.4	5.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-07	Date Collected:	09/19/13 14:15
Client ID:	TP-22-13 (6-8')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/23/13 16:55
Analytical Date:	09/25/13 22:06	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/25/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	7.36	1	A
Aroclor 1221	ND		ug/kg	37.3	11.2	1	A
Aroclor 1232	ND		ug/kg	37.3	7.92	1	A
Aroclor 1242	ND		ug/kg	37.3	7.07	1	A
Aroclor 1248	ND		ug/kg	37.3	4.51	1	A
Aroclor 1254	ND		ug/kg	37.3	5.88	1	A
Aroclor 1260	ND		ug/kg	37.3	6.47	1	A
Aroclor 1262	ND		ug/kg	37.3	2.76	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-08	Date Collected:	09/19/13 15:30
Client ID:	TP-23-13 (0.5-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/23/13 16:55
Analytical Date:	09/25/13 22:19	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/25/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	7.23	1	A
Aroclor 1221	ND		ug/kg	36.6	11.0	1	A
Aroclor 1232	ND		ug/kg	36.6	7.77	1	A
Aroclor 1242	ND		ug/kg	36.6	6.94	1	A
Aroclor 1248	ND		ug/kg	36.6	4.43	1	A
Aroclor 1254	ND		ug/kg	36.6	5.77	1	A
Aroclor 1260	ND		ug/kg	36.6	6.35	1	A
Aroclor 1262	ND		ug/kg	36.6	2.71	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-09	Date Collected:	09/19/13 17:00
Client ID:	TP-24-13 (0.5-4')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/23/13 16:55
Analytical Date:	09/25/13 22:31	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/25/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	7.19	1	A
Aroclor 1221	ND		ug/kg	36.4	11.0	1	A
Aroclor 1232	ND		ug/kg	36.4	7.74	1	A
Aroclor 1242	ND		ug/kg	36.4	6.91	1	A
Aroclor 1248	ND		ug/kg	36.4	4.41	1	A
Aroclor 1254	ND		ug/kg	36.4	5.74	1	A
Aroclor 1260	ND		ug/kg	36.4	6.32	1	A
Aroclor 1262	ND		ug/kg	36.4	2.69	1	A
Aroclor 1268	ND		ug/kg	36.4	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-10	Date Collected:	09/20/13 11:30
Client ID:	TP-25-13 (0.5-4')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/23/13 16:55
Analytical Date:	09/25/13 22:43	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/25/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	7.25	1	A
Aroclor 1221	ND		ug/kg	36.7	11.1	1	A
Aroclor 1232	ND		ug/kg	36.7	7.79	1	A
Aroclor 1242	ND		ug/kg	36.7	6.96	1	A
Aroclor 1248	ND		ug/kg	36.7	4.44	1	A
Aroclor 1254	ND		ug/kg	36.7	5.78	1	A
Aroclor 1260	ND		ug/kg	36.7	6.37	1	A
Aroclor 1262	ND		ug/kg	36.7	2.71	1	A
Aroclor 1268	ND		ug/kg	36.7	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/25/13 18:49
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/23/13 16:55
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/25/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,04,07-10 Batch: WG638357-1						
Aroclor 1016	ND		ug/kg	32.5	6.42	A
Aroclor 1221	ND		ug/kg	32.5	9.81	A
Aroclor 1232	ND		ug/kg	32.5	6.91	A
Aroclor 1242	ND		ug/kg	32.5	6.17	A
Aroclor 1248	ND		ug/kg	32.5	3.94	A
Aroclor 1254	ND		ug/kg	32.5	5.13	A
Aroclor 1260	ND		ug/kg	32.5	5.65	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.72	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,04,07-10 Batch: WG638357-2 WG638357-3									
Aroclor 1016	70		73		40-140	4		50	A
Aroclor 1260	66		69		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		71		30-150	A
Decachlorobiphenyl	65		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		71		30-150	B
Decachlorobiphenyl	71		72		30-150	B

PESTICIDES

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-01	Date Collected:	09/18/13 16:30
Client ID:	TP-4-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/25/13 11:22
Analytical Date:	09/26/13 16:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/26/13
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.756	0.338	1	A
Alpha-BHC	ND		ug/kg	0.756	0.215	1	A
Beta-BHC	ND		ug/kg	1.81	0.688	1	A
Heptachlor	ND		ug/kg	0.907	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.756	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.793	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.567	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	4.66		ug/kg	1.81	0.647	1	B
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.756	0.345	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.52	1	A
cis-Chlordane	ND		ug/kg	2.27	0.632	1	A
trans-Chlordane	ND		ug/kg	2.27	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-01	Date Collected:	09/18/13 16:30
Client ID:	TP-4-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	09/26/13 06:32
Analytical Date:	09/27/13 16:59	Methylation Date:	09/26/13 23:12
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		mg/kg	0.188	0.023	1	A
2,4,5-T	ND		mg/kg	0.188	0.012	1	A
2,4,5-TP (Silvex)	ND		mg/kg	0.188	0.010	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	73		30-150	B

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-02	Date Collected:	09/18/13 11:50
Client ID:	TP-5-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/25/13 11:22
Analytical Date:	09/26/13 16:56	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/26/13
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.359	1	A
Lindane	ND		ug/kg	0.765	0.342	1	A
Alpha-BHC	ND		ug/kg	0.765	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.411	1	A
Aldrin	ND		ug/kg	1.84	0.646	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.765	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.803	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	A
4,4'-DDE	ND		ug/kg	1.84	0.424	1	A
4,4'-DDD	ND		ug/kg	1.84	0.655	1	A
4,4'-DDT	ND		ug/kg	3.44	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.613	1	A
Endosulfan sulfate	ND		ug/kg	0.765	0.349	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.64	1	A
cis-Chlordane	ND		ug/kg	2.29	0.639	1	A
trans-Chlordane	ND		ug/kg	2.29	0.606	1	A
Chlordane	ND		ug/kg	14.9	6.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-02	Date Collected:	09/18/13 11:50
Client ID:	TP-5-13 (0-3')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	09/24/13 00:42
Analytical Date:	09/26/13 16:09	Methylation Date:	09/26/13 09:47
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		mg/kg	0.193	0.024	1	A
2,4,5-T	ND		mg/kg	0.193	0.012	1	A
2,4,5-TP (Silvex)	ND		mg/kg	0.193	0.011	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	47		30-150	B

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-07	Date Collected:	09/19/13 14:15
Client ID:	TP-22-13 (6-8')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/25/13 11:49
Analytical Date:	09/26/13 17:09	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/26/13
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.415	1	A
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.342	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.6	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID:	L1318716-07	Date Collected:	09/19/13 14:15
Client ID:	TP-22-13 (6-8')	Date Received:	09/20/13
Sample Location:	295 MARYLAND ST	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	09/26/13 06:32
Analytical Date:	09/27/13 16:39	Methylation Date:	09/26/13 23:12
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		mg/kg	0.192	0.023	1	A
2,4,5-T	ND		mg/kg	0.192	0.012	1	A
2,4,5-TP (Silvex)	ND		mg/kg	0.192	0.011	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	66		30-150	B

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A(M)
Analytical Date: 09/26/13 14:47
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/24/13 00:42

Methylation Date: 09/26/13 09:47

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02 Batch: WG638423-1						
MCPP	ND		mg/kg	3.33	0.955	A
MCPA	ND		mg/kg	3.33	1.04	A
Dalapon	ND		mg/kg	0.033	0.010	A
Dicamba	ND		mg/kg	0.033	0.010	A
Dichloroprop	ND		mg/kg	0.033	0.011	A
2,4-D	ND		mg/kg	0.166	0.020	A
2,4-DB	ND		mg/kg	0.166	0.012	A
2,4,5-T	ND		mg/kg	0.166	0.010	A
2,4,5-TP (Silvex)	ND		mg/kg	0.166	0.009	A
Dinoseb	ND		mg/kg	0.033	0.012	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	31		30-150	B

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/26/13 10:55
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/25/13 11:22
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/26/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02,07 Batch: WG638908-1						
Delta-BHC	ND		ug/kg	1.59	0.312	A
Lindane	ND		ug/kg	0.664	0.297	A
Alpha-BHC	ND		ug/kg	0.664	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.604	A
Heptachlor	ND		ug/kg	0.796	0.357	A
Aldrin	ND		ug/kg	1.59	0.561	A
Heptachlor epoxide	ND		ug/kg	2.99	0.896	A
Endrin	ND		ug/kg	0.664	0.272	A
Endrin aldehyde	ND		ug/kg	1.99	0.697	A
Endrin ketone	ND		ug/kg	1.59	0.410	A
Dieldrin	ND		ug/kg	0.995	0.498	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.568	A
4,4'-DDT	ND		ug/kg	2.99	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.376	A
Endosulfan II	ND		ug/kg	1.59	0.532	A
Endosulfan sulfate	ND		ug/kg	0.664	0.303	A
Methoxychlor	ND		ug/kg	2.99	0.929	A
Toxaphene	ND		ug/kg	29.9	8.36	A
cis-Chlordane	ND		ug/kg	1.99	0.555	A
trans-Chlordane	ND		ug/kg	1.99	0.526	A
Chlordane	ND		ug/kg	12.9	5.28	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A(M)
Analytical Date: 09/27/13 07:17
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/26/13 06:32

Methylation Date: 09/26/13 14:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,07 Batch: WG639096-1						
MCPP	ND		mg/kg	3.33	0.956	A
MCPA	ND		mg/kg	3.33	1.04	A
Dalapon	ND		mg/kg	0.033	0.010	A
Dicamba	ND		mg/kg	0.033	0.010	A
Dichloroprop	ND		mg/kg	0.033	0.011	A
2,4-D	ND		mg/kg	0.166	0.020	A
2,4-DB	ND		mg/kg	0.166	0.012	A
2,4,5-T	ND		mg/kg	0.166	0.010	A
2,4,5-TP (Silvex)	ND		mg/kg	0.166	0.009	A
Dinoseb	ND		mg/kg	0.033	0.012	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02 Batch: WG638423-2 WG638423-3									
MCPP	105		104		30-150	1		30	A
MCPA	**178**	Q	90		30-150	**66**	Q	30	A
Dalapon	84		58		30-150	**37**	Q	30	A
Dicamba	70		71		30-150	1		30	A
Dichloroprop	88		87		30-150	1		30	A
2,4-D	89		83		30-150	7		30	A
2,4-DB	91		97		30-150	6		30	A
2,4,5-T	73		79		30-150	8		30	A
2,4,5-TP (Silvex)	71		75		30-150	5		30	A
Dinoseb	**8**	Q	**9**	Q	30-150	9		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	68		69		30-150	A
DCAA	43		51		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,07 Batch: WG638908-2 WG638908-3									
Delta-BHC	119		123		30-150	3		30	A
Lindane	103		109		30-150	6		30	A
Alpha-BHC	101		105		30-150	4		30	A
Beta-BHC	91		95		30-150	4		30	A
Heptachlor	102		109		30-150	7		30	A
Aldrin	104		111		30-150	7		30	A
Heptachlor epoxide	100		105		30-150	5		30	A
Endrin	112		121		30-150	8		30	A
Endrin aldehyde	90		91		30-150	1		30	A
Endrin ketone	108		114		30-150	5		30	A
Dieldrin	104		110		30-150	6		30	A
4,4'-DDE	104		112		30-150	7		30	A
4,4'-DDD	107		114		30-150	6		30	A
4,4'-DDT	110		115		30-150	4		30	A
Endosulfan I	104		111		30-150	7		30	A
Endosulfan II	115		120		30-150	4		30	A
Endosulfan sulfate	119		125		30-150	5		30	A
Methoxychlor	93		99		30-150	6		30	A
cis-Chlordane	102		107		30-150	5		30	A
trans-Chlordane	102		107		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,07 Batch: WG638908-2 WG638908-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		109		30-150	A
Decachlorobiphenyl	114		99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		78		30-150	B
Decachlorobiphenyl	98		104		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,07 Batch: WG639096-2 WG639096-3									
MCPP	113		121		30-150	7		30	A
MCPA	**208**	Q	**250**	Q	30-150	18		30	A
Dalapon	83		115		30-150	**32**	Q	30	A
Dicamba	90		93		30-150	3		30	A
Dichloroprop	112		115		30-150	3		30	A
2,4-D	110		116		30-150	5		30	A
2,4-DB	120		128		30-150	6		30	A
2,4,5-T	91		92		30-150	1		30	A
2,4,5-TP (Silvex)	88		91		30-150	3		30	A
Dinoseb	**3**	Q	**7**	Q	30-150	**83**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	90		91		30-150	A
DCAA	62		49		30-150	B

METALS

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-01
Client ID: TP-4-13 (0-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/18/13 16:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8700		mg/kg	8.7	1.7	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Arsenic, Total	7.0		mg/kg	0.87	0.17	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	0.87	0.26	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Beryllium, Total	0.44		mg/kg	0.44	0.09	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Cadmium, Total	0.96		mg/kg	0.87	0.06	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Calcium, Total	40000		mg/kg	8.7	2.6	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Chromium, Total	20		mg/kg	0.87	0.17	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Cobalt, Total	6.0		mg/kg	1.7	0.44	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Copper, Total	32		mg/kg	0.87	0.17	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Iron, Total	16000		mg/kg	4.4	1.7	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Lead, Total	920		mg/kg	4.4	0.17	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Magnesium, Total	13000		mg/kg	8.7	0.87	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Manganese, Total	340		mg/kg	0.87	0.17	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Mercury, Total	1.3		mg/kg	0.09	0.02	1	09/27/13 09:10	09/27/13 14:23	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.2	0.35	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Potassium, Total	950		mg/kg	220	35.	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Sodium, Total	88	J	mg/kg	170	26.	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.87	0.09	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT
Zinc, Total	210		mg/kg	4.4	0.61	2	09/26/13 13:10	09/27/13 17:56	EPA 3050B	1,6010C	TT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-02
Client ID: TP-5-13 (0-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/18/13 11:50
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	8.9	1.8	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Arsenic, Total	3.9		mg/kg	0.89	0.18	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Barium, Total	100		mg/kg	0.89	0.27	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Beryllium, Total	0.50		mg/kg	0.44	0.09	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Cadmium, Total	0.90		mg/kg	0.89	0.06	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Calcium, Total	9000		mg/kg	8.9	2.7	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Chromium, Total	15		mg/kg	0.89	0.18	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Cobalt, Total	6.7		mg/kg	1.8	0.44	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Copper, Total	45		mg/kg	0.89	0.18	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.4	1.8	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Lead, Total	130		mg/kg	4.4	0.18	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Magnesium, Total	4800		mg/kg	8.9	0.89	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Manganese, Total	520		mg/kg	0.89	0.18	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Mercury, Total	1.1		mg/kg	0.08	0.02	1	09/27/13 09:10	09/27/13 14:25	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.2	0.36	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Potassium, Total	960		mg/kg	220	36.	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.27	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	180	27.	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.89	0.09	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT
Zinc, Total	140		mg/kg	4.4	0.62	2	09/26/13 13:10	09/27/13 18:12	EPA 3050B	1,6010C	TT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-04
Client ID: TP-7-13 (0-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/19/13 08:40
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.0		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:31	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.43	0.13	1	09/26/13 13:10	09/27/13 19:31	EPA 3050B	1,6010C	TT
Cadmium, Total	0.83		mg/kg	0.43	0.03	1	09/26/13 13:10	09/27/13 19:31	EPA 3050B	1,6010C	TT
Copper, Total	20		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:31	EPA 3050B	1,6010C	TT
Lead, Total	270		mg/kg	2.2	0.09	1	09/26/13 13:10	09/27/13 19:31	EPA 3050B	1,6010C	TT
Mercury, Total	0.70		mg/kg	0.09	0.02	1	09/27/13 09:10	09/27/13 14:26	EPA 7471B	1,7471B	MC
Silver, Total	ND		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:31	EPA 3050B	1,6010C	TT
Zinc, Total	99		mg/kg	2.2	0.30	1	09/26/13 13:10	09/30/13 12:44	EPA 3050B	1,6010C	TT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-07
Client ID: TP-22-13 (6-8')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/19/13 14:15
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8000		mg/kg	9.1	1.8	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.73	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Arsenic, Total	3.5		mg/kg	0.91	0.18	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Barium, Total	72		mg/kg	0.91	0.27	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Beryllium, Total	0.36	J	mg/kg	0.46	0.09	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Cadmium, Total	0.72	J	mg/kg	0.91	0.06	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Calcium, Total	67000		mg/kg	9.1	2.7	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.91	0.18	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Cobalt, Total	6.3		mg/kg	1.8	0.46	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Copper, Total	19		mg/kg	0.91	0.18	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Iron, Total	16000		mg/kg	4.6	1.8	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Lead, Total	48		mg/kg	4.6	0.18	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Magnesium, Total	21000		mg/kg	9.1	0.91	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Manganese, Total	390		mg/kg	0.91	0.18	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Mercury, Total	0.08		mg/kg	0.08	0.02	1	09/27/13 09:10	09/27/13 14:28	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.3	0.36	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Potassium, Total	1100		mg/kg	230	36.	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.27	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.91	0.18	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Sodium, Total	120	J	mg/kg	180	27.	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.91	0.09	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT
Zinc, Total	94		mg/kg	4.6	0.64	2	09/26/13 13:10	09/27/13 18:16	EPA 3050B	1,6010C	TT

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-08
Client ID: TP-23-13 (0.5-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/19/13 15:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.8		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:36	EPA 3050B	1,6010C	TT
Barium, Total	78		mg/kg	0.43	0.13	1	09/26/13 13:10	09/27/13 19:36	EPA 3050B	1,6010C	TT
Cadmium, Total	0.63		mg/kg	0.43	0.03	1	09/26/13 13:10	09/27/13 19:36	EPA 3050B	1,6010C	TT
Copper, Total	12		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:36	EPA 3050B	1,6010C	TT
Lead, Total	17		mg/kg	2.2	0.09	1	09/26/13 13:10	09/27/13 19:36	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	10/01/13 08:33	10/01/13 11:28	EPA 7471B	1,7471B	MC
Silver, Total	ND		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:36	EPA 3050B	1,6010C	TT
Zinc, Total	71		mg/kg	2.2	0.30	1	09/26/13 13:10	09/30/13 12:48	EPA 3050B	1,6010C	TT

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-09
Client ID: TP-24-13 (0.5-4')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/19/13 17:00
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.4		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:40	EPA 3050B	1,6010C	TT
Barium, Total	72		mg/kg	0.43	0.13	1	09/26/13 13:10	09/27/13 19:40	EPA 3050B	1,6010C	TT
Cadmium, Total	0.60		mg/kg	0.43	0.03	1	09/26/13 13:10	09/27/13 19:40	EPA 3050B	1,6010C	TT
Copper, Total	18		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:40	EPA 3050B	1,6010C	TT
Lead, Total	110		mg/kg	2.2	0.09	1	09/26/13 13:10	09/27/13 19:40	EPA 3050B	1,6010C	TT
Mercury, Total	3.7		mg/kg	0.09	0.02	1	10/01/13 08:33	10/01/13 11:39	EPA 7471B	1,7471B	MC
Silver, Total	ND		mg/kg	0.43	0.09	1	09/26/13 13:10	09/27/13 19:40	EPA 3050B	1,6010C	TT
Zinc, Total	84		mg/kg	2.2	0.30	1	09/26/13 13:10	09/30/13 12:52	EPA 3050B	1,6010C	TT

Project Name: 295 MARYLAND ST
Lab Number: L1318716
Project Number: 0222-001-101
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-10
Client ID: TP-25-13 (0.5-4')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/20/13 11:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.4		mg/kg	0.44	0.09	1	09/26/13 13:10	09/27/13 19:44	EPA 3050B	1,6010C	TT
Barium, Total	69		mg/kg	0.44	0.13	1	09/26/13 13:10	09/27/13 19:44	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.44	0.03	1	09/26/13 13:10	09/27/13 19:44	EPA 3050B	1,6010C	TT
Copper, Total	37		mg/kg	0.44	0.09	1	09/26/13 13:10	09/27/13 19:44	EPA 3050B	1,6010C	TT
Lead, Total	120		mg/kg	2.2	0.09	1	09/26/13 13:10	09/27/13 19:44	EPA 3050B	1,6010C	TT
Mercury, Total	4.0		mg/kg	0.17	0.04	2	10/01/13 08:33	10/01/13 12:25	EPA 7471B	1,7471B	MC
Silver, Total	ND		mg/kg	0.44	0.09	1	09/26/13 13:10	09/27/13 19:44	EPA 3050B	1,6010C	TT
Zinc, Total	87		mg/kg	2.2	0.30	1	09/26/13 13:10	09/30/13 12:56	EPA 3050B	1,6010C	TT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,04,07 Batch: WG639236-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/27/13 09:10	09/27/13 13:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,04,07-10 Batch: WG639248-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/26/13 13:10	09/27/13 17:23	1,6010C	TT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 08-10 Batch: WG640061-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/01/13 08:33	10/01/13 11:17	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG639236-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07-10 Batch: WG639248-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	82	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	94	-	80-120	-	
Magnesium, Total	83	-	74-126	-	
Manganese, Total	100	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	104	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 295 MARYLAND ST

Project Number: 0222-001-101

Lab Number: L1318716

Report Date: 10/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07-10 Batch: WG639248-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 08-10 Batch: WG640061-2 SRM Lot Number: 0518-10-02					
Mercury, Total	121	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07 QC Batch ID: WG639236-4 QC Sample: L1317777-02 Client ID: MS Sample												
Mercury, Total	ND	0.159	0.24	**151**	Q	-	-		70-130	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07-10 QC Batch ID: WG639248-4 QC Sample: L1318716-01 Client ID: TP-4-13 (0-3')										
Aluminum, Total	8700	181	9100	**221**	Q	-	-	75-125	-	35
Antimony, Total	ND	45.2	39	86		-	-	75-125	-	35
Arsenic, Total	7.0	10.8	16	83		-	-	75-125	-	35
Barium, Total	140	181	280	78		-	-	75-125	-	35
Beryllium, Total	0.44	4.52	4.6	102		-	-	75-125	-	35
Cadmium, Total	0.96	4.61	4.9	86		-	-	75-125	-	35
Calcium, Total	40000	903	52000	**1330**	Q	-	-	75-125	-	35
Chromium, Total	20.	18.1	35	83		-	-	75-125	-	35
Cobalt, Total	6.0	45.2	44	84		-	-	75-125	-	35
Copper, Total	32.	22.6	51	84		-	-	75-125	-	35
Iron, Total	16000	90.3	16000	**0**	Q	-	-	75-125	-	35
Lead, Total	920	46.1	880	**0**	Q	-	-	75-125	-	35
Magnesium, Total	13000	903	15000	**221**	Q	-	-	75-125	-	35
Manganese, Total	340	45.2	390	111		-	-	75-125	-	35
Nickel, Total	12.	45.2	50	84		-	-	75-125	-	35
Potassium, Total	950	903	2000	116		-	-	75-125	-	35
Selenium, Total	ND	10.8	10	92		-	-	75-125	-	35
Silver, Total	ND	27.1	26	96		-	-	75-125	-	35
Sodium, Total	88.J	903	1000	111		-	-	75-125	-	35
Thallium, Total	ND	10.8	6.8	**63**	Q	-	-	75-125	-	35
Vanadium, Total	19.	45.2	60	91		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07-10 QC Batch ID: WG639248-4 QC Sample: L1318716-01 Client ID: TP-4-13 (0-3')										
Zinc, Total	210	45.2	200	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 08-10 QC Batch ID: WG640061-4 QC Sample: L1318716-08 Client ID: TP-23-13 (0.5-3')										
Mercury, Total	ND	0.185	0.22	119		-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07 QC Batch ID: WG639236-3 QC Sample: L1317777-02 Client ID: DUP Sample						
Mercury, Total	ND	0.02J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07-10 QC Batch ID: WG639248-3 QC Sample: L1318716-01 Client ID: TP-4-13 (0-3')					
Aluminum, Total	8700	8400	mg/kg	4	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	7.0	7.8	mg/kg	11	35
Barium, Total	140	130	mg/kg	7	35
Beryllium, Total	0.44	0.43J	mg/kg	NC	35
Cadmium, Total	0.96	1.0	mg/kg	4	35
Calcium, Total	40000	40000	mg/kg	0	35
Chromium, Total	20.	22	mg/kg	10	35
Cobalt, Total	6.0	6.2	mg/kg	3	35
Copper, Total	32.	38	mg/kg	17	35
Iron, Total	16000	16000	mg/kg	0	35
Lead, Total	920	930	mg/kg	1	35
Magnesium, Total	13000	14000	mg/kg	7	35
Manganese, Total	340	370	mg/kg	8	35
Nickel, Total	12.	13	mg/kg	8	35
Potassium, Total	950	970	mg/kg	2	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	88.J	91J	mg/kg	NC	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,07-10 QC Batch ID: WG639248-3 QC Sample: L1318716-01 Client ID: TP-4-13 (0-3')					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	19.	18	mg/kg	5	35
Zinc, Total	210	190	mg/kg	10	35
Total Metals - Westborough Lab Associated sample(s): 08-10 QC Batch ID: WG640061-3 QC Sample: L1318716-08 Client ID: TP-23-13 (0.5-3')					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-01
Client ID: TP-4-13 (0-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil

Date Collected: 09/18/13 16:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-02
Client ID: TP-5-13 (0-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Date Collected: 09/18/13 11:50
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-03
Client ID: TP-6-13 (7-9')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Date Collected: 09/18/13 15:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101
Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-04
Client ID: TP-7-13 (0-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil
Date Collected: 09/19/13 08:40
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-05
Client ID: TP-9-13 (9-12')
Sample Location: 295 MARYLAND ST
Matrix: Soil

Date Collected: 09/19/13 09:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-06
Client ID: TP-13-13 (8-9')
Sample Location: 295 MARYLAND ST
Matrix: Soil

Date Collected: 09/19/13 16:00
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-07
Client ID: TP-22-13 (6-8')
Sample Location: 295 MARYLAND ST
Matrix: Soil

Date Collected: 09/19/13 14:15
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.5		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-08
Client ID: TP-23-13 (0.5-3')
Sample Location: 295 MARYLAND ST
Matrix: Soil

Date Collected: 09/19/13 15:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-09
Client ID: TP-24-13 (0.5-4')
Sample Location: 295 MARYLAND ST
Matrix: Soil

Date Collected: 09/19/13 17:00
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318716-10
Client ID: TP-25-13 (0.5-4')
Sample Location: 295 MARYLAND ST
Matrix: Soil

Date Collected: 09/20/13 11:30
Date Received: 09/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	09/24/13 21:45	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG638744-1 QC Sample: L1318716-01 Client ID: TP-4-13 (0-3')						
Solids, Total	86.1	85.1	%	1		20

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318716-01A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1318716-01B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HERB-8151(14),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1318716-01C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HERB-8151(14),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1318716-02A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1318716-02B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HERB-8151(14),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318716-02C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HERB-8151(14),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1318716-03A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TCLP-EXT-ZHE(14),NYTCL-8260(14)
L1318716-03B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),TS(7)
L1318716-03C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),TS(7)
L1318716-03X	Vial unpreserved split	A	N/A	4.3	Y	Absent	TCLP-VOA(14)
L1318716-03Y	Vial unpreserved split	A	N/A	4.3	Y	Absent	TCLP-VOA(14)
L1318716-04A	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	TS(7)
L1318716-04B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),TS(7),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1318716-04C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),TS(7),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1318716-05A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TCLP-EXT-ZHE(14),NYTCL-8260(14)
L1318716-05B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),TS(7)
L1318716-05C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),TS(7)
L1318716-05X	Vial unpreserved split	A	N/A	4.3	Y	Absent	TCLP-VOA(14)
L1318716-05Y	Vial unpreserved split	A	N/A	4.3	Y	Absent	TCLP-VOA(14)
L1318716-06A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1318716-06B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),TS(7)
L1318716-06C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),TS(7)
L1318716-07A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318716-07B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HERB-8151(14),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1318716-07C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HERB-8151(14),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1318716-08A	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	TS(7)
L1318716-08B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),TS(7),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1318716-08C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),TS(7),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1318716-09A	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	TS(7)
L1318716-09B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),TS(7),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1318716-09C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),TS(7),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1318716-10A	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 295 MARYLAND ST
Project Number: 0222-001-101

Lab Number: L1318716
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318716-10B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),TS(7),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1318716-10C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),TS(7),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

Container Comments

L1318716-01B

L1318716-07B

L1318716-07C

*Values in parentheses indicate holding time in days

Project Name:	295 MARYLAND ST	**Lab Number:**	L1318716
Project Number:	0222-001-101	**Report Date:**	10/03/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

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

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	295 MARYLAND ST	**Lab Number:**	L1318716
Project Number:	0222-001-101	**Report Date:**	10/03/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Project Name:	295 MARYLAND ST	**Lab Number:**	L1318716
Project Number:	0222-001-101	**Report Date:**	10/03/13

REFERENCES

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

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE_____ OF _____

Date Rec'd in Lab: 9/21/13

ALPHA Job #: L1318716

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Benchmark Env.
Address: 2558 Hamburg Turnpike Buffalo, NY 14218
Phone: 716-225-3314
Fax:
Email: bgreene@turnkeyllc.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 295 Maryland St
Project Location: " "
Project #: 0222-001-101
Project Manager: Ray Lafort
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/1/13 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

* COC PAHs = Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenz(a,h)anthracene, Indeno(1,2,3)pyrene

** COC Inorganics = As, Ba, Cd, Cu, Pb, Hg, Ag, Zn

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC (8260)	TCL SVOC (8270) BN only	TAL metals	Pesticides + Herbicides	PCBs (8082)	TCLP VOCs	COC PAHs *	COC Inorganics **				Sample Specific Comments	TOTAL # BOTTLES
16716-1	TP-4-13 (0-3')	9-18-13	1630	S	BMG	X	X	X	X	X								3
2	TP-5-13 (0-3')	"	1150	S	"	X	X	X	X	X								3
3	TP-6-13 (7-9')	9-18-13	1530	S		X	X				X							3
4	TP-7-13 (0-3')	9-19-13	0840	S						X		X	X					3
5	TP-9-13 (9-12')	"	0930	S		X	X				X							3
6	TP-13-13 (8-9')	"	1600	S		X	X											3
7	TP-22-13 (6-8')	"	1415	S		X	X	X	X	X								3
8	TP-23-13 (0.5-3')	"	1530	S						X		X	X					3
9	TP-24-13 (0.5-4')	9-19-13	1700	S						X		X	X					3
10	TP-25-13 (0.5-4')	9-20-13	1130	S						X		X	X					3
	Container Type					A	A	A	A	A	A	A	A					
	Preservative					A	A	A	A	A	A	A	A					

SAMPLE HANDLING

*Filtration*_____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
Brock Greene	9-20-13/1530	James Ruckus	9-20-13/1530
James Ruckus	9-20-13/1800		9/21/13 10:07

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)