January 10, 2017

Limited Phase II Environmental Site Assessment
Juncta Historic Site
Saratoga Street
City of Cohoes
Albany County, New York

NYSDEC Spill No. 1608645

Prepared for:

CITY OF COHOES
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LIMITED PHASE II
ENVIRONMENTAL SITE ASSESSMENT REPORT
JUNCTA HISTORIC SITE

TABLES (Within Text)

APPENDICES

1.0 INTRODUCTION

This report presents the findings of a Limited Phase II Environmental Site Assessment conducted at the Juncta Historic Site, which is located in the City of Cohoes, Albany County, New York.

The scope of the subsurface assessment was developed on the basis of the Phase I Environmental Site Assessment prepared for the site by Barton & Loguidice (B&L) dated February 2016 (2016 Phase I ESA). The 2016 Phase I ESA report noted the historic use of portions of the property for industrial use (furniture manufacturing, wood planning, foundry operations, and automotive sales & service) and the presence of unknown fill materials used to fill the former Champlain Canal as Recognized Environmental Conditions (RECs).

Based on these findings, the Limited Phase II ESA was proposed to evaluate the quality of soils and groundwater within the site.

It is noted that the site is comprised of two non-contiguous parcels of land. As the RECs in the 2016 Phase I ESA were identified for the southern portion of the site, this Limited Phase II ESA was focused on the southern portion.

The Limited Phase II ESA activities included the advancement of six soil borings, the collection of soil samples for field vapor screening; and the collection and analysis of soil and groundwater samples for laboratory analysis.

2.0 METHOD OF PHASE II ESA INVESTIGATION

2.1 Test Boring Locations

Six (6) test boring locations (GP-1 through GP-6) were completed to provide general assessment of the site's soil and groundwater conditions. The test borings were located as follows:

- GP-1 was advanced to the east side of the hydroponics shop located on the southern portion of the site. This area formerly contained factories and mills. The location was also selected as it is in an inferred hydraulically down-gradient position relative to an off-site facility formerly used for automobile repair which also contained a gasoline tank.

- GP-2 was advanced on the southeastern portion of the site, in an inferred hydraulically down-gradient position relative to GP-1 and in the location of the Old Champlain Canal Lock 2.
- GP-3, GP-4 and GP-5 were advanced in the central portion of the site in the areas formerly containing foundries. GP-4 was advanced along the eastern boundary of the site inferred to have been formerly occupied by the canal in an inferred hydraulically down-gradient position relative to the foundries.
- GP-6 was advanced in the northern portion of the site in the vicinity of the former auto repair shop.

The test boring locations are depicted on the Sampling Location Plan which is included as Figure 2 in Appendix A.

2.2 Drilling Method

The drilling activities were completed on Thursday, December 8, 2016 by NYEG Drilling LLC of Brewerton, New York as a subcontractor to C.T. Male. For the purpose of this investigation, Geoprobe drilling techniques were utilized.

At each test location a two-inch diameter MacroCore sampler was advanced at continuous four (4) foot intervals to the termination depths of the borings. The recovered soil samples were visually classified and recorded on individual Subsurface Exploration Logs.

2.3 Soil Screening

Following the recovery of the soil samples from the test borings, each sample was screened for the presence of detectable volatile organic compounds (VOCs) with a MiniRAE 3000 PID equipped with a 10.6 eV lamp. The PID meter was calibrated according to manufacturer recommendations prior to use.

2.4 Soil Sampling

One soil sample was collected from each of the six soil borings as follows:

- GP-1 from 8-10 feet below grade surface (bgs);
- GP-2 from 10-12 feet bgs;

- GP-3 from 6-8 feet bgs;
- GP-4 from 8-10 feet bgs;
- GP-5 from 6-8 feet bgs; and
- GP-6 from 8-10 feet bgs.

The soil samples from the borings were selected based on the results of the subjective soil screening activities. The samples were jarred in laboratory provided containers, placed in a cooler with ice, and forwarded under chain-of-custody to Phoenix Environmental Laboratories, Inc. for laboratory analysis for VOCs by EPA Method 8260, the NYSDEC CP-51 list of semi-volatile organic compounds (SVOCs) by EPA 8270 and the 8 RCRA metals.

2.5 Groundwater Sampling

Groundwater samples were collected from each of the soil borings. The groundwater samples were collected on Thursday, December 8, 2016. At each sampling location a one inch diameter PVC pipe was inserted into the bore hole. A peristaltic pump was used to collect the groundwater samples in new laboratory supplied glass jars while wearing new gloves. New tubing for the pump was used at each of the boring locations. The samples were placed in a cooler with ice and forwarded under chain-of-custody to Phoenix Environmental Laboratories, Inc. for laboratory analysis for VOCs by EPA Method 8260, the NYSDEC CP-51 list of SVOCs by EPA 8270 and the 8 RCRA metals.

2.6 Decontamination

To preclude the potential for cross contamination between boring locations, all drilling tools and sampling equipment that would contact the site soils were decontaminated prior to the start of the drilling activities and between test boring locations utilizing a detergent/water wash and tap water rinse. All soil samples were handled with a new pair of gloves to deter cross contamination of the soil samples collected for soil screening and laboratory analysis. As noted above, all groundwater samples were handled with a new pair of gloves and new tubing for the peristaltic pump was used at each boring location.

3.0 FINDINGS OF THE PHASE II ESA INVESTIGATION

3.1 Soil Conditions at Boring Locations

At GP-1 evidence of fill materials was noted from the surface to approximately 16 feet bgs. The soils were primarily comprised of sand to 9 feet bgs with fill materials including cinders, brick and wood. Gray clay with traces of brick, cinder and wood were noted from 9-10 feet below grade. These soils were underlain by sand and gravel with some pulverized stone to approximately 16 feet bgs. From 16 to 18 feet bgs brown fine to coarse sand and gravel were encountered. The soil boring was terminated at 18 feet bgs. The soils became wet at approximately 14 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-1.

At GP-2 brown sand was the primary component to approximately 7 feet bgs. At 8 feet bgs the soils consisted of coarse black sand and cinders. These soils were underlain with sand and gravel with traces of glass to approximately 12 feet bgs. From 12 to 14 feet bgs black silt and wood were encountered. These soils exhibited a petrochemical type odor with staining. From 14 to 16 feet bgs gray clay and silt with some fine gravel were encountered. The boring was terminated at 16 feet bgs. The soils became wet at 12 feet bgs.

At GP-3 sand, silt and gravel with traces of brick and cinders were encountered to 5 feet bgs. These soils were underlain by silt (5-6 feet bgs), clay (6-7 feet bgs) and sand & silt with traces of brick and cinders (7-8 feet bgs). An approximate one foot layer of brown silt and gravel with trace red brick was encountered from 8 to 9 feet bgs and brown silt and coarse gravel were encountered from 9 to 10 feet bgs. Brown clay was encountered to 11 feet bgs. Brown fine to coarse sand and gravel were encountered to 14 feet bgs where the boring was terminated due to refusal. Soils became wet at approximately 9 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-3.

Sand, silt and gravel were encountered in the upper 9 feet of GP-4. Traces of brick were encountered from 6 to 7 feet bgs and little red brick and cinders and traces of glass and paper were encountered from 7 to 9 feet bgs. Clay with traces of cinders was encountered from 9 to 10 feet bgs. Clay with medium to coarse gravel was encountered to the termination depth of the boring at 16 feet bgs. Soils became wet

at approximately 13 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-4.

Sand and gravel were the primary components in GP-5 to 9 feet bgs with clay also being present from 6 to 8 feet bgs. Traces of cinders were noted at 9 feet bgs. Black stained silt with fine-medium gravel exhibiting a petroleum odor was noted from 9 to 10 feet bgs. Gray-black stained clay with some fine gravel which exhibited a petrochemical type odor was noted from 10 to 11 feet bgs. Grey stained medium to coarse gravel and silt which exhibited a petroleum odor were noted from 11 to 12 feet bgs. Sand and gravel were noted from 12 to 13 feet bgs and fine to medium gravel with gray clay and some gray silt were noted to the termination depth of the boring at 16 feet bgs. The soils became wet at approximately 10 feet bgs.

At GP-6 from 0 to 3 feet bgs the soils consisted of sand and gravel and from 3 to 6 feet bgs the soils consisted of sand and cinders with trace occurrences of red brick. From 6 to 7 feet bgs the soils consisted of clay and brown sand with trace brick and from 7 to 8 feet bgs the soils consisted of sand with some cinders. A slight petrochemical type odor was noted from 8 to 9 feet bgs where the soils consisted of black-red clay with some red brick. Black stained medium to coarse sand and gravel exhibiting a petrochemical type odor were present from 9 to 11 feet bgs and black-gray stained clay with fine gravel exhibiting a petrochemical type odor was noted from 11 to 13 feet bgs. These soils were underlain by a one foot layer of clay, sand and gravel which exhibited staining and a petrochemical type odor. From 14 to 16 feet bgs the soils consisted of silt, sand and gravel. The boring was terminated at 16 feet bgs. The soils became wet at approximately 9 feet bgs.

On the basis of the subjective evidence of contamination identified in GP-2, GP-5 and GP-6, the NYSDEC spill hotline was called and notified of these findings. Spill No. 1608645 was assigned to the site.

The subsurface exploration logs are included in Appendix B.

3.2 Soil Screening Results

As presented on the Organic Vapor Headspace Analysis Logs in Appendix C, the PID readings were one part per million or less above background in the recovered soil samples.

at approximately 13 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-4.

Sand and gravel were the primary components in GP-5 to 9 feet bgs with clay also being present from 6 to 8 feet bgs. Traces of cinders were noted at 9 feet bgs. Black stained silt with fine-medium gravel exhibiting a petroleum odor was noted from 9 to 10 feet bgs. Gray-black stained clay with some fine gravel which exhibited a petrochemical type odor was noted from 10 to 11 feet bgs. Grey stained medium to coarse gravel and silt which exhibited a petroleum odor were noted from 11 to 12 feet bgs. Sand and gravel were noted from 12 to 13 feet bgs and fine to medium gravel with gray clay and some gray silt were noted to the termination depth of the boring at 16 feet bgs. The soils became wet at approximately 10 feet bgs.

At GP-6 from 0 to 3 feet bgs the soils consisted of sand and gravel and from 3 to 6 feet bgs the soils consisted of sand and cinders with trace occurrences of red brick. From 6 to 7 feet bgs the soils consisted of clay and brown sand with trace brick and from 7 to 8 feet bgs the soils consisted of sand with some cinders. A slight petrochemical type odor was noted from 8 to 9 feet bgs where the soils consisted of black-red clay with some red brick. Black stained medium to coarse sand and gravel exhibiting a petrochemical type odor were present from 9 to 11 feet bgs and black-gray stained clay with fine gravel exhibiting a petrochemical type odor was noted from 11 to 13 feet bgs. These soils were underlain by a one foot layer of clay, sand and gravel which exhibited staining and a petrochemical type odor. From 14 to 16 feet bgs the soils consisted of silt, sand and gravel. The boring was terminated at 16 feet bgs. The soils became wet at approximately 9 feet bgs.

On the basis of the subjective evidence of contamination identified in GP-2, GP-5 and GP-6, the NYSDEC spill hotline was called and notified of these findings. Spill No. 1608645 was assigned to the site.

The subsurface exploration logs are included in Appendix B.

3.2 Soil Screening Results

As presented on the Organic Vapor Headspace Analysis Logs in Appendix C, the PID readings were one part per million or less above background in the recovered soil samples.

3.3 Groundwater Conditions

The soils became wet generally from 9 to 14 feet below grade surface in the soil borings. At the time the groundwater samples were collected the groundwater was turbid (suspended sediment in the groundwater samples). No sheens were noted in the groundwater samples at the time of sampling. A slight to moderate petrochemical type odor was noted in the groundwater samples collected from GP-2, GP-5 and GP-6. The direction of groundwater flow was not determined and is inferred to be from west to east across the site based on area topography.

4.0 ANALYTICAL RESULTS

4.1 Soil

The soil samples collected from each of the borings were analyzed for VOCs by EPA Method 8260, the CP-51 list of SVOCs by EPA 8270 and the 8 RCRA metals. VOCs were not detected above the laboratory method detection limit in the soil samples with the exception of acetone in the sample collected from GP-6. Although acetone was noted at a concentration slightly exceeding its NYSDEC CP-51 Unrestricted Use soil cleanup objective (SCO), the laboratory flagged this as a laboratory solvent where contamination was possible (laboratory artifact).

Six of the eight RCRA metals (arsenic, barium, cadmium, chromium, lead and mercury) were detected in each of the soil samples. At each location at least one and up to five metals exceeded their respective Unrestricted Use SCOs.

SVOCs were not detected above the laboratory method detection limit in the soil samples collected from GP-1 or GP-3. Only one SVOC was detected in the soil sample collected from GP-4; however the detection of fluoranthene was well below its SCO. Nine SVOCs were detected in the soil sample collected from GP-2 and eight SVOCS were detected in the soil sample collected from GP-5. The detections of SVOCs were below their SCOs for both samples. Ten SVOCs were detected in the soil sample from GP-6 with three of the SVOCs (benzo(a)pyrene, chrysene and indeno(1,2,3-cd)pyrene) slightly exceeding their respective SCOs.

The analytical results are summarized in the table below.

TABLE 4.1-1
SUMMARY OF SUBSURFACE SOIL SAMPLING RESULTS AND REGULATORY VALUES

PARAMETER	LOCATION AND CONCENTRATION (1)						NYSDEC CP-51/PART 375 SOIL CLEANUP GUIDANCE (2)
	GP-1 (8-10)	GP-2 (8-10)	GP-3 (6-8)	GP-4 (8-10)	GP-5 (6-8)	GP-6 (8-10)	
8 RCRA Metals							
Arsenic	7.27	11.5	7.22	**16.7**	7.36	**25.2**	13
Barium	99.4	166	94.8	289	138	268	350
Cadmium	0.46	1.14	0.69	**4.64**	1.3	**4.42**	2.5
Chromium	23.0	**32.8**	26.4	**301**	**31.6**	**70.0**	30
Lead	**133**	40.9	106	**480**	**107**	**2,310**	63
Mercury	**0.66**	0.16	**0.97**	**0.81**	0.10	**0.80**	0.18
Volatile Organic Compounds by EPA Method 8260							
Acetone	ND	ND	ND	ND	ND	**0.056**	0.05
Semi-Volatile Organic Compounds by EPA Method 8270							
Benz(a)anthracene	ND	0.55	ND	ND	0.44	0.99	1
Benzo(a)pyrene	ND	0.45	ND	ND	0.38	**1.3**	1
Benzo(b)fluoranthene	ND	0.53	ND	ND	0.36	0.97	1
Benzo(ghi)perylene	ND	ND	ND	ND	ND	1.3	100
Benzo(k)fluoranthene	ND	0.42	ND	ND	0.33	0.73	0.8
Chrysene	ND	0.56	ND	ND	0.5	**1.3**	1
Fluoranthene	ND	1.1	ND	0.37	0.94	1.1	100
Indeno(1,2,3-cd)pyrene	ND	0.37	ND	ND	ND	**0.75**	0.5
Phenanthrene	ND	0.34	ND	ND	0.72	0.72	100
Pyrene	ND	0.95	ND	ND	0.85	1.3	100

Notes:
All values are shown in parts per million
Bold/shaded values exceed their Unrestricted Use SCOs.
ND=Not detected above the laboratory method detection limit
(1) Only the compounds and analytes that were detected are listed.
(2) NYSDEC CP-51/Soil Cleanup Policy/NYSDEC Part 375 Unrestricted Use SCOs.

A copy of the laboratory analysis report is presented in Appendix D.

4.2 Groundwater

The groundwater samples collected from each of the borings were analyzed for VOCs by EPA Method 8260, the CP-51 list of SVOCs by EPA 8270 and the 8 RCRA

metals. VOCs were not detected above the laboratory method detection limit in the groundwater samples.

Five to six of the eight RCRA metals were detected in each of the groundwater samples. In almost every instance, the concentrations of the metals exceeded their respective groundwater standards.

SVOCs were not detected in the groundwater sample from GP-1. Nine to twelve SVOCs were detected in the remaining groundwater samples. In each sample, six SVOCs (Benz(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene and Indeno(1,2,3-cd)pyrene) were detected above their respective groundwater standard or guidance value.

The groundwater analytical results are summarized in the table below:

TABLE 4.2-1
SUMMARY OF GROUNDWATER SAMPLING RESULTS
AND REGULATORY STANDARDS

PARAMETER	LOCATION AND CONCENTRATION[1]						6NYCRR PART 703.5 GROUNDWATER STANDARD [2]
	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	
8 RCRA Metals							
Arsenic	**541**	**97**	**90**	**49**	**62**	**176**	25
Barium	**8,850**	**3,080**	891	**1,600**	**1,980**	**1,340**	1,000
Cadmium	**410**	**11**	**6**	**9**	**17**	**14**	5
Chromium	**1,010**	**71**	**171**	**300**	**355**	**205**	50
Lead	**1,140**	**14,300**	**543**	**2,270**	**4,760**	**5,470**	25
Mercury	ND	ND	**0.9**	ND	ND	ND	0.7
Selenium	ND	**31**	ND	ND	ND	ND	10
Semi-Volatile Organic Compounds by EPA Method 8270 (ug/l):							
Anthracene	ND	0.14	ND	ND	ND	ND	50 (GV)
Benz(a)anthracene	ND	**0.81**	**0.08**	**0.06**	**0.11**	**0.17**	0.002 (GV)
Benzo(a)pyrene	ND	**0.35**	**0.08**	**0.04**	**0.10**	**0.15**	ND [3]
Benzo(b)fluoranthene	ND	**0.89**	**0.07**	**0.06**	**0.10**	**0.15**	0.002 (GV)
Benzo(ghi)prylene	ND	0.45	ND	ND	ND	ND	NS
Benzo(k)fluoranthene	ND	**0.79**	**0.07**	**0.07**	**0.08**	**0.15**	0.002 (GV)
Chrysene	ND	**0.92**	**0.08**	**0.07**	**0.10**	**0.19**	0.002 (GV)
Dibenz(a,h)anthracene	ND	0.26	ND	ND	ND	0.02	NS
Fluoranthene	ND	2.1	0.15	0.15	0.24	0.44	50 (GV)

TABLE 4.2-1
SUMMARY OF GROUNDWATER SAMPLING RESULTS
AND REGULATORY STANDARDS

PARAMETER	LOCATION AND CONCENTRATION[1]						6NYCRR PART 703.5 GROUNDWATER STANDARD [2]
	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	
Indeno(1,2,3-cd)pyrene	ND	**0.50**	**0.04**	**0.04**	**0.07**	**0.10**	0.002 (GV)
Phenanthrene	ND	0.65	0.08	0.07	0.16	0.25	50 (GV)
Pyrene	ND	1.3	0.15	0.11	0.23	0.38	50 (GV)

Notes:
ug/l denotes microgram per liter or parts per billion
Bold/shaded values denote exceedence of groundwater standard or guidance value.
GV=Guidance Value
ND=Not detected above the laboratory method detection limit

(1) Only those analytes and compounds detected are shown.
(2) TOGS 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, New York State Department of Environmental Conservation, June 1998 and Addendum, April 2000.
(3) A non-detectable concentration by approved analytical methods.

A copy of the laboratory analysis report is presented in Appendix E.

5.0 CONCLUSIONS

Phase II activities were performed to determine potential impacts to soil and groundwater at the site as a result of the historic use of portions of the property for industrial use and the presence of unknown fill materials used to fill the former Champlain Canal.

The Phase II ESA activities included a subsurface investigation which included the advancement of six soil borings; the collection of subsurface soil samples for field vapor screening and laboratory analysis; and the collection of groundwater samples for laboratory analysis.

The soils within the site to the depths explored consisted primarily of sand with varying degrees of gravel, silt and clay. Fill materials (as evidenced by the presence of brick, cinders, wood, pulverized stone and glass) were noted in each the borings at depths up to 16 feet below grade. Petro-chemical type odors and/or staining were noted in three of the six borings. At GP-2 black stained silt and wood was encountered from approximately 11 to 12 feet bgs. At GP-5 the soils exhibited staining and a petrochemical type odor from approximately 8 to 12 feet bgs and at

GP-6 from 9 to 14 feet bgs. On the basis of the subjective evidence of contamination, the NYSDEC spill hotline was called and notified of these findings. Spill No. 1608645 was assigned to the site.

VOCs were not detected above the laboratory method detection limit in the soil samples with the exception of acetone in the sample collected from GP-6. Although acetone was noted at a concentration slightly exceeding its unrestricted use SCO, the laboratory flagged this as a laboratory solvent where contamination was possible (laboratory artifact).

Six of the eight RCRA metals (arsenic, barium, cadmium, chromium, lead and mercury) were detected in each of the soil samples. At each location at least one and up to five metals exceeded their respective unrestricted use SCOs.

SVOCs were not detected above the laboratory method detection limit in the soil samples collected from GP-1 or GP-3. Only one SVOC was detected in the soil sample collected from GP-4; however the detection of fluoranthene was well below its SCO. Nine SVOCs were detected in the soil sample collected from GP-2 and eight SVOCS were detected in the soil sample collected from GP-5. The detections of SVOCs were below their SCOs for both samples. Ten SVOCs were detected in the soil sample from GP-6 with three of the SVOCs (benzo(a)pyrene, chrysene and indeno(1,2,3-cd)pyrene) slightly exceeding their respective SCOs.

VOCs were not detected above the laboratory method detection limit in the groundwater samples. Five to six of the eight RCRA metals were detected in each of the groundwater samples. In almost every instance, the concentrations of the metals exceeded their respective groundwater standards.

SVOCs were not detected in the groundwater sample from GP-1. Nine to twelve SVOCs were detected in the remaining groundwater samples. In each sample, six SVOCs (Benz(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene and Indeno(1,2,3-cd)pyrene) were detected above their respective groundwater standard or guidance value.

The SVOCs that were detected in soil and groundwater are often found in fill materials in addition to petroleum. On the basis of the lack of detections of VOCs in soil or groundwater, but subjective evidence of petroleum in soils and groundwater

suggests that the subjective evidence of contamination may be associated with an old weathered petroleum product or heavy oil such as No. 6 fuel oil.

6.0 RECOMMENDATIONS

As an active spill is listed for the site, it is recommended that this report be submitted to the NYSDEC for their review and comment to determine if further evaluation and/or remedial action at the site may be required.

Consideration of soil will be necessary for future development activities as fill materials exist within the site which contain elevated levels of metals, and at one location elevated levels of SVOCs. Additionally, consideration will be necessary for groundwater as groundwater at the site contains elevated levels of both SVOCs and metals. It is noted that groundwater in the vicinity of the site is not used as a source of drinking water as public water is available in the vicinity of the site.

The findings and conclusions of this Limited Phase II ESA represent the site conditions as disclosed through the investigations performed at the time completed, and may not be representative of the entire site. No other warranties, expressed or implied are made.

If you have any questions regarding this report, please contact this office at (518) 786-7400.

Respectfully submitted,
C.T. MALE ASSOCIATES

Aimee Gates
Sr. Environmental Scientist

Reviewed and approved by:

Kirk Moline
Project Manager

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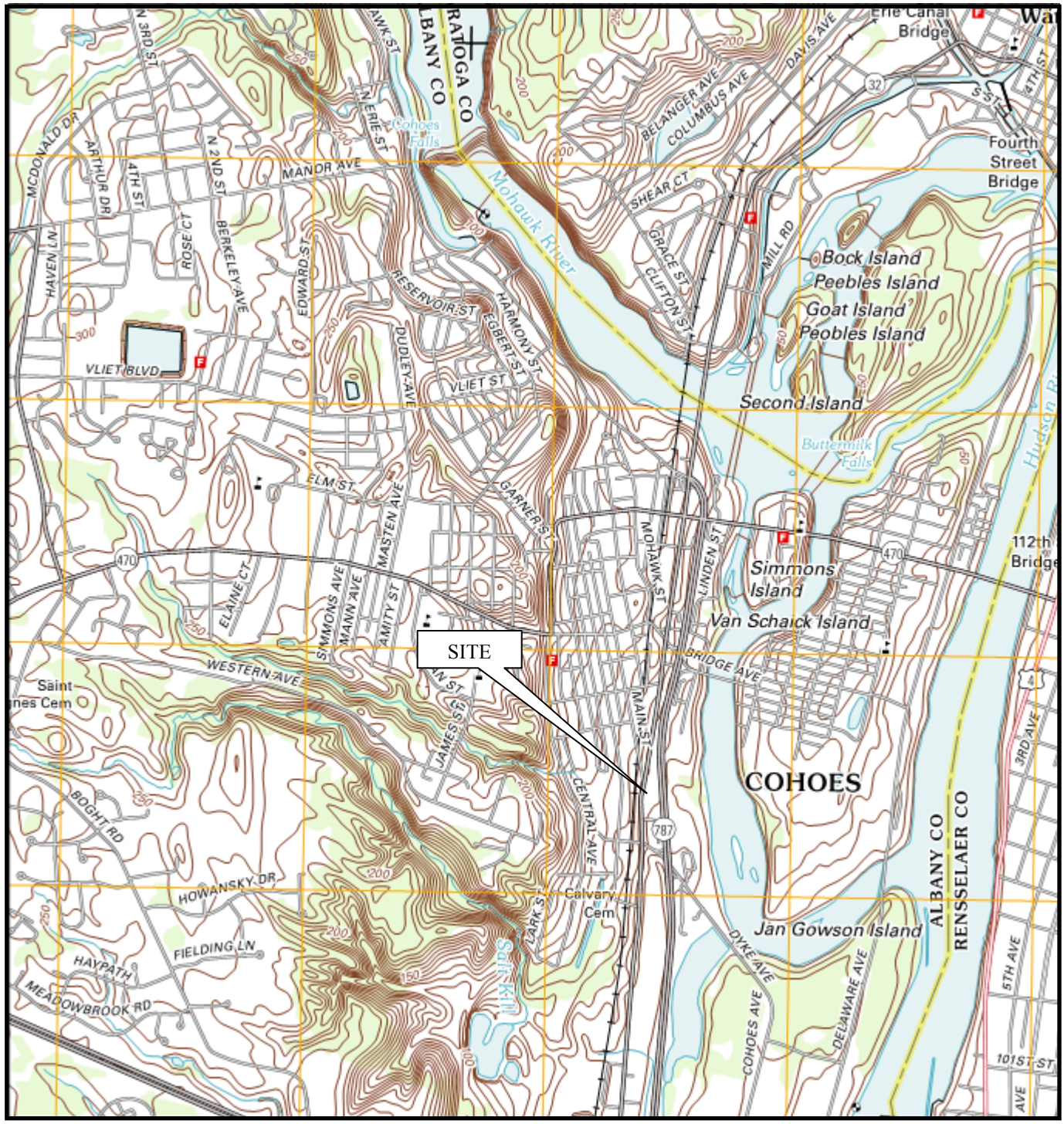
APPENDIX A

Figures/Maps



MAP REFERENCE
United States Geological Survey
7.5 Minute Series Topographic Map
Quadrangle: Troy North, NY
Date: 2013

C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE & LANDSCAPE ARCHITECTURE, D.P.C.

50 CENTURY HILL DRIVE
LATHAM, NY 12110

FIGURE 1 - SITE LOCATION MAP

CITY OF COHOES	ALBANY COUNTY, NY
SCALE: 1:2,000±	The locations and features depicted on this map are approximate and do not represent an actual survey.
DRAFTER: ASG	
PROJECT No: 16.6648	

DEED REFERENCES:

1. The People of the State of New York, acting by and through the New York State Canal Corporation to City of Cohoes Industrial Development Agency, dated August 23, 2016 and to be recorded (Canal Lands).
2. The People of the State of New York, By the Grace of God, Free and Independent to City of Cohoes Industrial Development Agency, dated September 15, 2016 and to be recorded (NYS DOT Lands).

MAP REFERENCES:

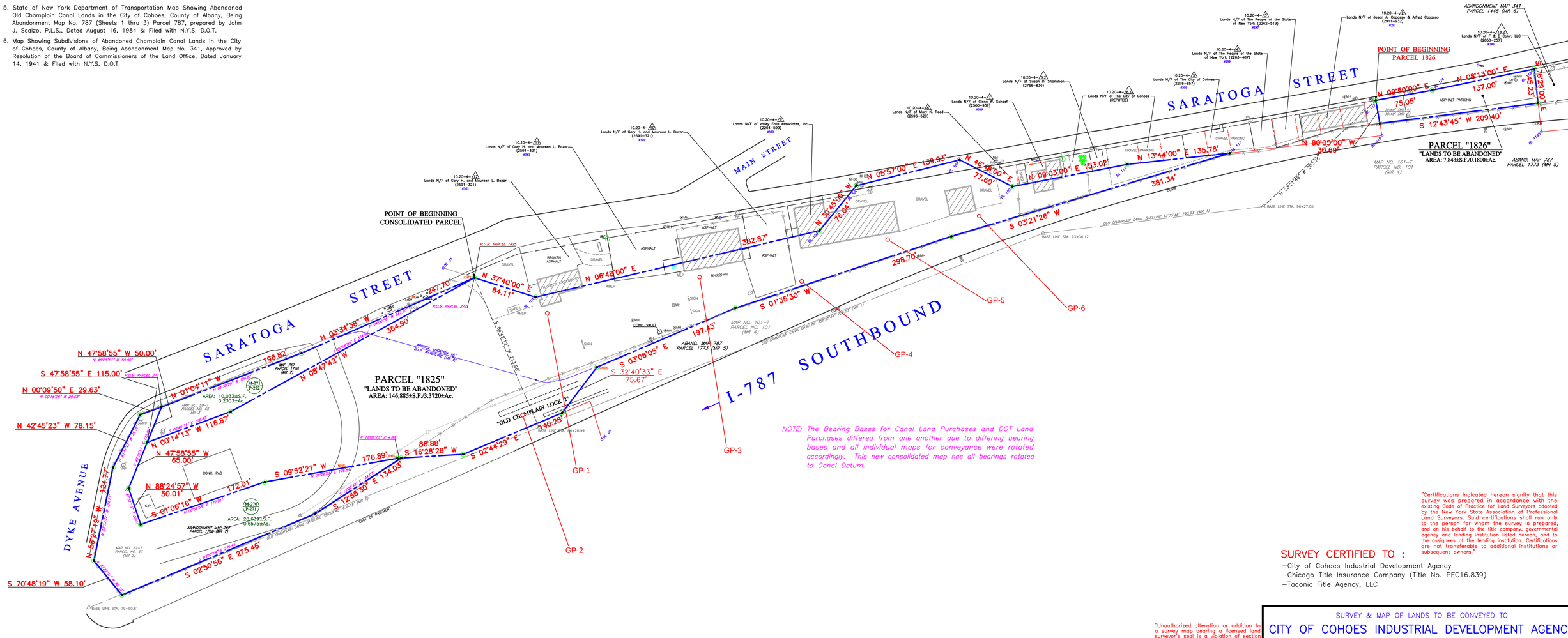
1. Map of a Portion of Champlain Canal Lands Belonging to the State, Made Pursuant to Chapter 199, Laws of 1910. and Amendatory Laws, Being sheets 3 & 4. Examined and Approved April 24, 1925 By Frank R. Lanagan, Deputy State Engineer & Filed with the NYS Canal Corporation.
2. New York State Department of Transportation Description and Map for the Transfer of Jurisdiction, City of Cohoes: North–South Arterial highway (City Line to Dyke Avenue) Albany County, Property of the People of the State of New York Under Present Jurisdiction of the Office of General Services Abandoned Champlain Canal Lands, Being Map No. 52–T/Parcel No. 57, Dated June 8, 1983 & Filed with N.Y.S. D.O.T.
3. New York State Department of Transportation Description and Map for the Transfer of Jurisdiction, City of Cohoes: North–South Arterial highway (City Line to Dyke Avenue) Albany County, Property of the People of the State of New York Under Present Jurisdiction of the Office of General Services Abandoned Champlain Canal Lands, Being Map No. 59–T/Parcel No. 65, Dated November 18, 1983 & Filed with N.Y.S. D.O.T.
4. New York State Department of Transportation Description and Map for the Transfer of Jurisdiction, City of Cohoes: North–South Arterial highway (Dyke Avenue to New Cortland Street) Albany County, Property of the People of the State of New York Under Present Jurisdiction of the Office of General Services Abandoned Champlain Canal Lands, Being Map No. 101–T/Parcel No. 101, Dated October 1, 1984 & Filed with N.Y.S. D.O.T.
5. State of New York Department of Transportation Map Showing Abandoned Old Champlain Canal Lands in the City of Cohoes, County of Albany, Being Abandonment Map No. 787 (Sheets 1 thru 3) Parcel 787, prepared by John J. Scalzo, P.L.S., Dated August 16, 1984 & Filed with N.Y.S. D.O.T.
6. Map Showing Subdivisions of Abandoned Champlain Canal Lands in the City of Cohoes, County of Albany, Being Abandonment Map No. 341, Approved by Resolution of the Board of Commissioners of the Land Office, Dated January 14, 1941 & Filed with N.Y.S. D.O.T.

MAP REFERENCES: Cont.

7. State of New York Department of Transportation Map Showing Abandoned Old Champlain Canal Lands in the City of Cohoes, County of Albany, Abandonment Map No. 767, Parcel 1768, Examined and Approved by J.R. Stellato, Dated December 1, 1983 & Filed with N.Y.S. D.O.T.
8. Agreement D22304 for the Construction of a Covering Over a Portion of the Champlain Canal in the City of Cohoes, Chapter 733, Laws of 1966, Between the People of the State of New York and the Mohawk Paper Mills, Inc., Dated March 27, 1967.
9. New York State Canal Corporation, Map Showing Abandoned Old Champlain Canal Lands in the City of Cohoes, County of Albany, Being Map No. 947, Parcel 1825, Prepared by Frederick J. Metzger, Jr., P.L.S., dated February 12, 2015 and Filed with the N.Y.S. Canal Corporation.
10. New York State Canal Corporation, Map Showing Abandoned Old Champlain Canal Lands in the City of Cohoes, County of Albany, Being Map No. 947, Parcel 1826, Prepared by Frederick J. Metzger, Jr., P.L.S., dated February 12, 2015 and Filed with the N.Y.S. Canal Corporation.
11. New York State Department of Transportation Abandonment Map, Lands of the People of the State of New York Under Present Jurisdiction of the Department of Transportation (City of Cohoes, North–South Arterial, S.H. No. 86–6), Being Map No. 270/Parcel No. 271, Prepared by Frederick J. Metzger, Jr., P.L.S., Dated and Filed with N.Y.S. D.O.T.
12. New York State Department of Transportation Abandonment Map, Lands of the People of the State of New York Under Present Jurisdiction of the Department of Transportation (City of Cohoes, North–South Arterial, S.H. No. 86–6), Being Map No. 271/Parcel No. 272, Prepared by Frederick J. Metzger, Jr., P.L.S., Dated and Filed with N.Y.S. D.O.T.
13. City of Cohoes Tax Map #10.20–4–13 & 17

LEGEND:

OVHD	Overhead Utility Lines
PP	Power Pole
–X–X–	Fence
CLF	Chain Link Fence
IRF	Iron Rod Found
IPF	Iron Pipe Found
IBF	Iron Bar Found
CIRF	Capped Iron Rod Found
CRBS	Capped 5/8" Rebar Set
MNS	Mag Nail Set
CMF	Concrete Monument Found
BL	Blue Line Point No.
WV	Water Valve
FH	Fire Hydrant
MH	Manhole
DI	Drop Inlet
GV	Gas Valve
TSB	Traffic Signal Box
MLP	Metal Light Pole
DIP	Ductile Iron Pipe
FM	Field Measured
CP	Concrete Pad
S●	Street Sign
(C)	Calculated
(Sc.)	Scaled
(D)	Deed Data
M.R.	Map Reference
D.R.	Deed Reference



NOTE: The Bearing Bases for Canal Land Purchases and DOT Land Purchases differed from one another due to differing bearing bases and all individual maps for conveyance were rotated accordingly. This new consolidated map has all bearings rotated to Canal Datum.

"Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveyors adopted by the New York State Association of Professional Land Surveyors. Said certifications shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners."

SURVEY CERTIFIED TO :

–City of Cohoes Industrial Development Agency
–Chicago Title Insurance Company (Title No. PEC16.839)
–Taconic Title Agency, LLC

"Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub–division 2, of the New York State Education Law."

DATE	REVISION
10–21–16	Review Title, Add Certs., Misc. Additions

SURVEY & MAP OF LANDS TO BE CONVEYED TO

CITY OF COHOES INDUSTRIAL DEVELOPMENT AGENCY

CANAL LANDS & DOT LANDS–SARATOGA AVENUE – COHOES, N.Y.

Scale: 1"=60'	Date: October 13, 2016	Prepared by: F.J.M., Jr.
Municipality:	City of Cohoes	Research by: F.J.M., Jr.
County:	Albany	Drawn by: F.J.M., Jr.
State of New York		Sheet: 1 of 1
Prepared for:	The City of Cohoes	

FREDERICK J. METZGER, JR., L.S.

FREDERICK J. METZGER LAND SURVEYOR, P.C.
P.O. BOX 237
TROY, NEW YORK 12182
OFFICE PHONE: (518)783–0688
12 PLEASANT VIEW DRIVE
LATHAM, NEW YORK 12110
EMAIL: FMETZGER@NYCAP.RR.COM

(16–103)

APPENDIX B

Subsurface Exploration Logs

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-1
ELEV.: **DATUM:**
START DATE: 12/8/2016 **FINISH DATE:** 12/8/2016
SHEET 1 of 2

PROJECT: Juncta Historic Site CTM PROJECT NO.: 16.6648
LOCATION: Cohoes, New York CTM OBSERVER: PAL

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1		Brown medium-fine SAND, Some medium Gravel, trace cinder ±2'	
4		2	3.0	Brown medium-fine SAND, Some red Brick, trace gravel ±3' Brown fine SAND and SILT, Some coarse Gravel ±4'	(damp @ ±3' bgs.)
6		3		Brown fine SAND, little fine gravel, red brick, beige brick ±5' Brown fine SAND, trace coarse gravel ±6'	(damp @ ±6' bgs.)
8		4	3.3	Light brown fine SAND, little wood, red brick, trace cinder ±8.5'	(damp @ ±7' bgs.) (damp @ ± 8.5' bgs.)
10		5	1.5	Light brown fine SAND, trace red brick ±9' Gray CLAY & medium-coarse GRAVEL, trace brick & cinder (wood in shoe) ±10'	Refusal @ 9.8' move 5' east (damp @ ±9.8' bgs.)
12		6	1.0	Fine-medium SAND and medium-coarse GRAVEL, Some Pulverized Stone	Refusal @ 10' move 20' east from original location
14				±14'	
16		7	2.0	Brown medium-coarse SAND, Some Pulverized Stone	(wet @ ±14' bgs.)

DRILLING CONTRACTOR: NYEG
DIRECT-PUSH TYPE: 7720 DT
METHOD OF SAMPLING: SS Macrocore Sampler w/ acetate liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-1
ELEV.: **DATUM:**
START DATE: 12/8/2016 **FINISH DATE:** 12/8/2016
SHEET 2 of 2

PROJECT: Juncta Historic Site CTM PROJECT NO.: 16.6648
LOCATION: Cohoes, New York CTM OBSERVER: PAL

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		8		Brown fine-coarse SAND & GRAVEL ±18'	(wet @ ± 18' bgs.)
				End of Boring ±18' bgs.	
20					
22					
24					
26					
28					
30					
32					

DRILLING CONTRACTOR: NYEG
DIRECT-PUSH TYPE: 7720 DT
METHOD OF SAMPLING: SS Macrocore Sampler w/ acetate liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-2**		
ELEV.:		**DATUM:**	
START DATE:	**12/8/2016**	**FINISH DATE:**	**12/8/2016**
SHEET	**1 of 1**		

PROJECT: Juncta Historic Site
CTM PROJECT NO.: 16.6648
LOCATION: Cohoes, New York
CTM OBSERVER: PAL

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1		Brown medium-fine SAND, Some Rootlets, trace gravel, fractured rock	(damp @ ±1' bgs.)
2			3.0	±2'	Refusal at 2.0', offset 5' south
		2		Brown fine SAND and medium GRAVEL, trace fractured rock	(damp @ ± 3' bgs.)
4					
		3		±5'	
6			2.8	Brown fine SAND and medium GRAVEL, trace ±6'	(damp @ ±6' bgs.)
		4		Fine brown SAND and SILT, trace medium gravel ±7.5'	(damp @ ±7' bgs.)
8				Coarse black SAND and CINDERS ±8.5'	(damp @ ±8' bgs.)
		5			
10			3.0	Red fine SAND and medium GRAVEL, trace glass ±10'	(damp @ ±10' bgs.)
		6		Brown fine-medium SAND and fine-medium GRAVEL, trace glass ±11.5'	(damp @ ±11' bgs.)
12					
		7		Black SILT and WOOD	(wet, petrol odor, stained @ 12' bgs.)
14			2.5	±14'	(wet @ 14' bgs.)
		8		Gray CLAY and SILT, Some fine Gravel	(damp @ 16' bgs.)
16					End of Boring at ±16' bgs.

DRILLING CONTRACTOR: NYEG
DIRECT-PUSH TYPE: 7720 DT
METHOD OF SAMPLING: SS Macrocore Sampler w/ acetate liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-3**		
ELEV.:		**DATUM:**	
START DATE:	**12/8/2016**	**FINISH DATE:**	**12/8/2016**
SHEET	**1 of 1**		

PROJECT: Juncta Historic Site — CTM PROJECT NO.: 16.6648

LOCATION: Cohoes, New York — CTM OBSERVER: PAL

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
0		1	3.2	Brown fine SAND & SILT, little fine-medium gravel, trace red brick, rootlets	(damp @ ±1' bgs.)
2		2		±3'	
4				Dark brown fine-coarse SAND, SILT and fine-medium GRAVEL, trace red brick & cinder	(damp @ ±3' bgs.)
		3		±5.5'	
6			3.5	Brown SILT, trace clay ±6.5'	(damp @ ±5' bgs.)
		4		Brown CLAY, trace brown silt ±7'	(damp @ ±7' bgs.)
8				Brown fine SAND and SILT, little fine-medium gravel, trace red cinder ±8.5'	(moist @ ± 8' bgs.)
		5		Brown SILT and medium-coarse GRAVEL, trace red brick ±9.0'	(wet @ ±9' bgs.)
10			3.8	Brown SILT and coarse GRAVEL ±10.25'	(wet @ ±10' bgs.)
		6		Brown CLAY	(damp @ ±11' bgs.)
12				±12'	(wet @ ±12' bgs.)
		7	2.0	Brown fine-coarse SAND and GRAVEL	(damp @ ±13' bgs.)
14				±14'	
16				End of Boring ±14' bgs. (Refusal)	

DRILLING CONTRACTOR: NYEG

DIRECT-PUSH TYPE: 7720 DT

METHOD OF SAMPLING: SS Macrocore Sampler w/ acetate liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-4**		
ELEV.:		**DATUM:**	
START DATE:	**12/8/2016**	**FINISH DATE:**	**12/8/2016**
SHEET	**1 of 1**		

PROJECT: Juncta Historic Site — CTM PROJECT NO.: 16.6648

LOCATION: Cohoes, New York — CTM OBSERVER: PAL

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1		Brown fine-medium SAND, trace coarse gravel & rootlets	(damp @ ±1' bgs.)
2			2.8	±2'	
		2		Light brown SILT, trace medium-coarse gravel & rootlets	
4				±4.5'	(damp @ ±4' bgs.)
		3		Light brown fine SAND	
6			2.0		(damp @ ±6' bgs.)
		4		±7'	
8				Brown medium-coarse SAND, fine brown SAND, trace fine gravel & red brick ±8'	(damp @ ±8' bgs.)
		5		Brown fine-coarse SAND, Some fine-coarse Gravel, little red brick & cinder, trace glass & paper	
10			3.0	±10'	(damp @ ±10' bgs.)
				Gray & black CLAY, trace white cinder ±10.5'	
		6		Brown CLAY, trace gravel & white cinder ±11'	(damp @ ±11' bgs.)
12				Gray CLAY & medium-coarse GRAVEL ±12'	(damp @ ±12' bgs.)
		7		Gray CLAY & medium-coarse GRAVEL, Some brown fine Sand	(wet @ ±13' bgs.)
14			2.5	±14'	
				Gray CLAY & medium-coarse GRAVEL	(wet @ ±15' bgs.)
16					End of Boring @ ±16 bgs.

DRILLING CONTRACTOR: NYEG

DIRECT-PUSH TYPE: 7720 DT

METHOD OF SAMPLING: SS Macrocore Sampler w/ acetate liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-5**		
ELEV.:		**DATUM:**	
START DATE:	**12/8/2016**	**FINISH DATE:**	**12/8/2016**
SHEET	**1 of 1**		

PROJECT: Juncta Historic Site — CTM PROJECT NO.: 16.6648

LOCATION: Cohoes, New York — CTM OBSERVER: PAL

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1		Medium-coarse GRAVEL & brown fine-medium SAND ±1'	(damp @ ±1' bgs.)
2			2.5	Brown fine SAND, Some Gravel ±2.5'	(damp @ ±2' bgs.)
		2		Gray medium-coarse SAND	(damp @ ±3' bgs.)
4				±4'	(damp @ ±4' bgs.)
		3		Gray medium-coarse SAND & fine GRAVEL	
6			2.5	±6'	(damp @ ±6' bgs.)
		4		Brown fine SAND & gray CLAY, Some fine Gravel	
8				±8'	
		5		Brown fine-coarse SAND, Some medium Gravel, trace cinder ±9'	(damp @ ±9' bgs.) (wet, stained, petroleum odor @ ±10' bgs.)
10			2.0	Black SILT, fine-medium GRAVEL ±10'	(damp, stained, petroleum
		6		Gray-black CLAY, Some fine Gravel ±11'	
12				Medium-coarse GRAVEL, gray fine SILT ±12'	(wet, stained, petroleum odor @ ±12' bgs.)
		7		Tan fine-medium SAND, Some medium Gravel ±13'	(damp @ ±13' bgs.)
14			4.0	Medium-fine GRAVEL, gray CLAY, Some gray Silt	(moist @ ±14' bgs.)
		8			
16					End of Boring @ ±16' bgs.

DRILLING CONTRACTOR: NYEG

DIRECT-PUSH TYPE: 7720 DT

METHOD OF SAMPLING: SS Macrocore Sampler w/ acetate liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-6
ELEV.: **DATUM:**
START DATE: 12/8/2016 **FINISH DATE:** 12/8/2016
SHEET 1 of 1

PROJECT: Juncta Historic Site CTM PROJECT NO.: 16.6648
LOCATION: Cohoes, New York CTM OBSERVER: PAL

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1		Gray medium-coarse SAND, Some light brown Sand, trace rootlets	(damp @ ±1' bgs.)
2			3.0	±2'	
		2		Brown medium-coarse SAND and medium GRAVEL ±3'	(damp @ ±3' bgs.)
4				Black medium-coarse SAND and CINDER ±4'	(damp @ ±4' bgs.)
		3		Black medium-coarse SAND and CINDER, Some black Silt, trace red brick	(damp, slight petrol odor @ ±5' bgs.)
6			2.0		
		4		±7'	(damp @ ±7' bgs.)
8				±8' Brown-orange CLAY & medium-coarse brown SAND, trace brick	(damp @ ±8' bgs.)
		5		Black medium-coarse SAND, Some Cinder ±9'	(moist, slight odor @ ±9' bgs.)
10			3.0	Black-red CLAY, Some red Brick ±10'	(wet, stained, petrol odor @ ±10' bgs.)
		6		Black medium-coarse SAND & GRAVEL ±11'	
12				Black-gray CLAY & fine GRAVEL, trace silt	(wet, stained, petrol odor @ ±12' bgs.)
		7		±13'	
14			4.0	Brown CLAY, medium-coarse SAND, Some medium Gravel ±14'	(wet, stained, odor @ ±14' bgs.)
		8		Light brown SILT & fine-medium SAND, Some fine Gravel	(damp @ ±15' bgs.)
16					End of Boring at ±16'

DRILLING CONTRACTOR: NYEG
DIRECT-PUSH TYPE: 7720 DT
METHOD OF SAMPLING: SS Macrocore Sampler w/ acetate liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

APPENDIX C

Organic Vapor Headspace Analysis Logs

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Juncta Historic Site	**PROJECT #:**	16.6648	**PAGE 1 OF 3**
CLIENT:	City of Cohoes			**DATE**
LOCATION:	Cohoes, NY			**COLLECTED: 12/8/16**
INSTRUMENT USED:	MiniRae 3000	**LAMP**	10.6 eV	**DATE**
DATE INSTRUMENT CALIBRATED:	12/8/16	**BY:**	AL	**ANALYZED:**
TEMPERATURE OF SOIL:	Ambient			**ANALYST: 12/8/16**

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-3	1	0-2	Soil	0.4	0.2	NONS
GP-3	2	2-4	Soil	0.3	0.2	NONS
GP-3	3	4-6	Soil	0.6	0.2	NONS
GP-3	4	6-8	Soil	0.8	0.2	NONS
GP-3	5	8-10	Soil	0.7	0.2	NONS
GP-3	6	10-12	Soil	0.7	0.2	NONS
GP-3	7	12-14	Soil	0.5	0.2	NONS
GP-1	1	0-2	Soil	0.5	0.1	NONS
GP-1	2	2-4	Soil	0.4	0.1	NONS
GP-1	3	4-6	Soil	0.4	0.1	NONS
GP-1	4	6-8	Soil	0.5	0.1	NONS
GP-1	5	8-9.8	Soil	0.6	0.1	NONS
GP-1	6	10-14	Soil	0.5	0.1	NONS
GP-1	7	14-16	Soil	0.4	0.1	NONS
GP-4	8	16-18	Soil	0.2	0.1	NONS
GP-4	1	0-2	Soil	1.0	0.1	NONS
GP-4	2	2-4	Soil	0.5	0.1	NONS
GP-4	3	4-6	Soil	0.4	0.1	NONS
GP-4	4	6-8	Soil	0.5	0.1	NONS
GP-4	5	8-10	Soil	0.3	0.2	NONS
GP-4	6	10-12	Soil	0.4	0.1	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Juncta Historic Site		**PROJECT #:**	16.6648	**PAGE 2 OF 3**
CLIENT:	City of Cohoes				**DATE**
LOCATION:	Cohoes, NY				**COLLECTED: 12/8/16**
INSTRUMENT USED:	MiniRae 3000	**LAMP**	10.6	eV	**DATE**
DATE INSTRUMENT CALIBRATED:	12/8/16		**BY:**	AL	**ANALYZED:**
TEMPERATURE OF SOIL:	Ambient				**ANALYST: 12/8/16**

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-4	7	12-14	Soil	0.7	0.1	NONS
GP-4	8	16-18	Soil	1.1	0.1	NONS
GP-5	1	0-2	Soil	0.6	0.1	NONS
GP-5	2	2-4	Soil	0.4	0.1	NONS
GP-5	3	4-6	Soil	0.5	0.1	NONS
GP-5	4	6-8	Soil	0.6	0.1	NONS
GP-5	5	8-10	Soil	1.1	0.1	Petro Odor/Staining
GP-5	6	10-12	Soil	0.5	0.1	Petro Odor/Staining
GP-5	7	12-14	Soil	0.5	0.1	NONS
GP-5	8	14-16	Soil	1.0	0.4	NONS
GP-6	1	0-2	Soil	0.4	0.2	NONS
GP-6	2	2-4	Soil	0.4	0.2	NONS
GP-6	3	4-6	Soil	1.1	0.2	NONS
GP-6	4	6-8	Soil	0.5	0.2	NONS
GP-6	5	8-10	Soil	0.8	0.2	Strong Petro Odor/Staining
GP-6	6	10-12	Soil	1.2	0.2	Strong Petro Odor/Staining
GP-6	7	12-14	Soil	0.7	0.2	Petro Odor/Staining
GP-6	8	14-16	Soil	0.5	0.2	NONS
GP-2	1	0-2	Soil	0.5	0.1	NONS
GP-2	2	2-4	Soil	0.4	0.1	NONS
GP-2	3	4-6	Soil	0.3	0.1	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Juncta Historic Site	**PROJECT #:**	16.6648	**PAGE 3 OF 3**
CLIENT:	City of Cohoes			**DATE**
LOCATION:	Cohoes, NY			**COLLECTED: 12/8/16**
INSTRUMENT USED:	MiniRae 3000	**LAMP**	10.6 eV	**DATE**
DATE INSTRUMENT CALIBRATED:	12/8/16	**BY:**	AL	**ANALYZED:**
TEMPERATURE OF SOIL:	Ambient			**ANALYST: 12/8/16**

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-2	4	6-8	Soil	0.7	0.1	NONS
GP-2	5	8-10	Soil	1.1	0.1	NONS
GP-2	6	10-12	Soil	0.6	0.1	Slight Petro Odor/Staining
GP-2	7	12-14	Soil	0.4	0.1	Strong Petro Odor/Staining
GP-2	8	14-16	Soil	0.5	0.1	Slight Petro Odor/Staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface

APPENDIX D

Laboratory Analysis Report for Soil

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 13, 2016

Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Project ID: JUNCTA HISTORIC SITE
Sample ID#s: BX03114 - BX03121

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 13, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/08/16	10:00
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03114
Phoenix ID: BX03114

Project ID: JUNCTA HISTORIC SITE
Client ID: GP3 6-8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	7.22	0.81	mg/Kg	1	12/11/16	LK	SW6010C
Barium	94.8	0.41	mg/Kg	1	12/11/16	LK	SW6010C
Cadmium	0.69	0.41	mg/Kg	1	12/11/16	LK	SW6010C
Chromium	26.4	0.41	mg/Kg	1	12/11/16	LK	SW6010C
Lead	106	0.41	mg/Kg	1	12/11/16	LK	SW6010C
Mercury	0.97	0.04	mg/Kg	1	12/12/16	RS	SW7471B
Selenium	< 1.6	1.6	mg/Kg	1	12/11/16	LK	SW6010C
Silver	< 0.41	0.41	mg/Kg	1	12/11/16	LK	SW6010C
Percent Solid	74		%		12/09/16	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/16	Q/Q	SW7471B
Total Metals Digest	Completed				12/09/16	X/AG/BF	SW3050B
Field Extraction	Completed				12/08/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP3 6-8

Phoenix I.D.: BX03114

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
2-Hexanone	ND	0.028	mg/Kg	1	12/10/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	12/10/16	JLI	SW8260C	
Acetone	ND	0.028	mg/Kg	1	12/10/16	JLI	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	12/10/16	JLI	SW8260C	
Benzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromobenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromochloromethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromoform	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromomethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Chlorobenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Chloroethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Chloroform	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Chloromethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Dibromomethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Ethylbenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
m&p-Xylene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	12/10/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/10/16	JLI	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	12/10/16	JLI	SW8260C	
Naphthalene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
o-Xylene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Styrene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/10/16	JLI	SW8260C	1

Project ID: JUNCTA HISTORIC SITE
Client ID: GP3 6-8

Phoenix I.D.: BX03114

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
Total Xylenes	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	12/10/16	JLI	SW8260C
Trichloroethene	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
Vinyl chloride	ND	0.0057	mg/Kg	1	12/10/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	12/10/16	JLI	70 - 130 %
% Bromofluorobenzene	101		%	1	12/10/16	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	12/10/16	JLI	70 - 130 %
% Toluene-d8	100		%	1	12/10/16	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Acenaphthylene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Anthracene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Benz(a)anthracene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(a)pyrene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Chrysene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Fluoranthene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Fluorene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Naphthalene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Phenanthrene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
Pyrene	ND	0.31	mg/Kg	1	12/13/16	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	59		%	1	12/13/16	DD	30 - 130 %
% Nitrobenzene-d5	59		%	1	12/13/16	DD	30 - 130 %
% Terphenyl-d14	57		%	1	12/13/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP3 6-8

Phoenix I.D.: BX03114

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

Phyllis Shiller, Laboratory Director
December 13, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 13, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/08/16	11:20
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03114
Phoenix ID: BX03115

Project ID: JUNCTA HISTORIC SITE
Client ID: GP1 8-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	7.27	0.90	mg/Kg	1	12/11/16	LK	SW6010C
Barium	99.4	0.45	mg/Kg	1	12/11/16	LK	SW6010C
Cadmium	0.46	0.45	mg/Kg	1	12/11/16	LK	SW6010C
Chromium	23.0	0.45	mg/Kg	1	12/11/16	LK	SW6010C
Lead	133	0.45	mg/Kg	1	12/11/16	LK	SW6010C
Mercury	0.66	0.04	mg/Kg	1	12/12/16	RS	SW7471B
Selenium	< 1.8	1.8	mg/Kg	1	12/11/16	LK	SW6010C
Silver	< 0.45	0.45	mg/Kg	1	12/11/16	LK	SW6010C
Percent Solid	77		%		12/09/16	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/16	Q/Q	SW7471B
Total Metals Digest	Completed				12/09/16	X/AG/BF	SW3050B
Field Extraction	Completed				12/08/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP1 8-10

Phoenix I.D.: BX03115

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Hexanone	ND	0.027	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.027	mg/Kg	1	12/11/16	JLI	SW8260C	
Acetone	ND	0.027	mg/Kg	1	12/11/16	JLI	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	12/11/16	JLI	SW8260C	
Benzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromobenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromochloromethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromoform	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromomethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Chlorobenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroform	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloromethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromomethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Ethylbenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
m&p-Xylene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.027	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/11/16	JLI	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	12/11/16	JLI	SW8260C	
Naphthalene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
o-Xylene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Styrene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/11/16	JLI	SW8260C	1

Project ID: JUNCTA HISTORIC SITE
Client ID: GP1 8-10

Phoenix I.D.: BX03115

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
Total Xylenes	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	12/11/16	JLI	SW8260C
Trichloroethene	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
Vinyl chloride	ND	0.0055	mg/Kg	1	12/11/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	12/11/16	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	12/11/16	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	12/11/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	12/11/16	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Acenaphthylene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Anthracene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benz(a)anthracene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(a)pyrene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Chrysene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Fluoranthene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Fluorene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Naphthalene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Phenanthrene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Pyrene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	65		%	1	12/13/16	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	12/13/16	DD	30 - 130 %
% Terphenyl-d14	73		%	1	12/13/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP1 8-10

Phoenix I.D.: BX03115

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 13, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 13, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/08/16	12:00
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03114
Phoenix ID: BX03116

Project ID: JUNCTA HISTORIC SITE
Client ID: GP4 8-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	16.7	1.0	mg/Kg	1	12/11/16	LK	SW6010C
Barium	289	0.51	mg/Kg	1	12/11/16	LK	SW6010C
Cadmium	4.64	0.51	mg/Kg	1	12/11/16	LK	SW6010C
Chromium	301	5.1	mg/Kg	10	12/12/16	TH	SW6010C
Lead	480	5.1	mg/Kg	10	12/12/16	TH	SW6010C
Mercury	0.81	0.04	mg/Kg	1	12/12/16	RS	SW7471B
Selenium	< 2.0	2.0	mg/Kg	1	12/11/16	LK	SW6010C
Silver	0.60	0.51	mg/Kg	1	12/11/16	LK	SW6010C
Percent Solid	66		%		12/09/16	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/16	Q/Q	SW7471B
Total Metals Digest	Completed				12/09/16	X/AG/BF	SW3050B
Field Extraction	Completed				12/08/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP4 8-10

Phoenix I.D.: BX03116

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Hexanone	ND	0.052	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.052	mg/Kg	1	12/11/16	JLI	SW8260C	
Acetone	ND	0.052	mg/Kg	1	12/11/16	JLI	SW8260C	
Acrylonitrile	ND	0.021	mg/Kg	1	12/11/16	JLI	SW8260C	
Benzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromobenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromochloromethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromodichloromethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromoform	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromomethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon Disulfide	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Chlorobenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroform	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloromethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromochloromethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromomethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Ethylbenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Isopropylbenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
m&p-Xylene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.052	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.021	mg/Kg	1	12/11/16	JLI	SW8260C	
Methylene chloride	ND	0.021	mg/Kg	1	12/11/16	JLI	SW8260C	
Naphthalene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
n-Butylbenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
n-Propylbenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
o-Xylene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Styrene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrachloroethene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.021	mg/Kg	1	12/11/16	JLI	SW8260C	1

Project ID: JUNCTA HISTORIC SITE
Client ID: GP4 8-10

Phoenix I.D.: BX03116

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
Total Xylenes	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.021	mg/Kg	1	12/11/16	JLI	SW8260C
Trichloroethene	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
Vinyl chloride	ND	0.01	mg/Kg	1	12/11/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	12/11/16	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	12/11/16	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	12/11/16	JLI	70 - 130 %
% Toluene-d8	96		%	1	12/11/16	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Acenaphthylene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Anthracene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benz(a)anthracene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(a)pyrene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Chrysene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Fluoranthene	0.37	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Fluorene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Naphthalene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Phenanthrene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Pyrene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	69		%	1	12/13/16	DD	30 - 130 %
% Nitrobenzene-d5	67		%	1	12/13/16	DD	30 - 130 %
% Terphenyl-d14	75		%	1	12/13/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP4 8-10

Phoenix I.D.: BX03116

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 13, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 13, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/08/16	12:30
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03114
Phoenix ID: BX03117

Project ID: JUNCTA HISTORIC SITE
Client ID: GP5 6-8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	7.36	0.85	mg/Kg	1	12/11/16	LK	SW6010C
Barium	138	0.43	mg/Kg	1	12/11/16	LK	SW6010C
Cadmium	1.30	0.43	mg/Kg	1	12/11/16	LK	SW6010C
Chromium	31.6	0.43	mg/Kg	1	12/11/16	LK	SW6010C
Lead	107	0.43	mg/Kg	1	12/11/16	LK	SW6010C
Mercury	0.10	0.03	mg/Kg	1	12/12/16	RS	SW7471B
Selenium	< 1.7	1.7	mg/Kg	1	12/11/16	LK	SW6010C
Silver	< 0.43	0.43	mg/Kg	1	12/11/16	LK	SW6010C
Percent Solid	76		%		12/09/16	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/16	Q/Q	SW7471B
Total Metals Digest	Completed				12/09/16	X/AG/BF	SW3050B
Field Extraction	Completed				12/08/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP5 6-8

Phoenix I.D.: BX03117

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
2-Hexanone	ND	0.041	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.041	mg/Kg	1	12/11/16	JLI	SW8260C	
Acetone	ND	0.041	mg/Kg	1	12/11/16	JLI	SW8260C	
Acrylonitrile	ND	0.016	mg/Kg	1	12/11/16	JLI	SW8260C	
Benzene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromobenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
Bromochloromethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromoform	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromomethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Chlorobenzene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroform	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloromethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromomethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Ethylbenzene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
Isopropylbenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
m&p-Xylene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.041	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.016	mg/Kg	1	12/11/16	JLI	SW8260C	
Methylene chloride	ND	0.016	mg/Kg	1	12/11/16	JLI	SW8260C	
Naphthalene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
n-Butylbenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
n-Propylbenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
o-Xylene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
Styrene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.91	mg/Kg	50	12/11/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.016	mg/Kg	1	12/11/16	JLI	SW8260C	1

Project ID: JUNCTA HISTORIC SITE
Client ID: GP5 6-8

Phoenix I.D.: BX03117

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
Total Xylenes	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1.8	mg/Kg	50	12/11/16	JLI	SW8260C
Trichloroethene	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
Vinyl chloride	ND	0.0082	mg/Kg	1	12/11/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	50	12/11/16	JLI	70 - 130 %
% Bromofluorobenzene	99		%	50	12/11/16	JLI	70 - 130 %
% Dibromofluoromethane	113		%	1	12/11/16	JLI	70 - 130 %
% Toluene-d8	91		%	1	12/11/16	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Acenaphthylene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Anthracene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benz(a)anthracene	0.44	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(a)pyrene	0.38	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(b)fluoranthene	0.36	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(k)fluoranthene	0.33	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Chrysene	0.5	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Fluoranthene	0.94	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Fluorene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Naphthalene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Phenanthrene	0.72	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Pyrene	0.85	0.3	mg/Kg	1	12/13/16	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	66		%	1	12/13/16	DD	30 - 130 %
% Nitrobenzene-d5	57		%	1	12/13/16	DD	30 - 130 %
% Terphenyl-d14	88		%	1	12/13/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP5 6-8

Phoenix I.D.: BX03117

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

Phyllis Shiller, Laboratory Director
December 13, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 13, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/08/16	13:30
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03114
Phoenix ID: BX03118

Project ID: JUNCTA HISTORIC SITE
Client ID: GP6 8-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	25.2	1.1	mg/Kg	1	12/11/16	LK	SW6010C
Barium	268	0.53	mg/Kg	1	12/11/16	LK	SW6010C
Cadmium	4.42	0.53	mg/Kg	1	12/11/16	LK	SW6010C
Chromium	70.0	0.53	mg/Kg	1	12/11/16	LK	SW6010C
Lead	2310	53	mg/Kg	100	12/12/16	TH	SW6010C
Mercury	0.80	0.04	mg/Kg	1	12/12/16	RS	SW7471B
Selenium	< 2.1	2.1	mg/Kg	1	12/11/16	LK	SW6010C
Silver	< 0.53	0.53	mg/Kg	1	12/11/16	LK	SW6010C
Percent Solid	67		%		12/09/16	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/16	Q/Q	SW7471B
Total Metals Digest	Completed				12/09/16	X/AG/BF	SW3050B
Field Extraction	Completed				12/08/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP6 8-10

Phoenix I.D.: BX03118

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Hexanone	ND	0.038	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.038	mg/Kg	1	12/11/16	JLI	SW8260C	
Acetone	0.056	S 0.038	mg/Kg	1	12/11/16	JLI	SW8260C	
Acrylonitrile	ND	0.015	mg/Kg	1	12/11/16	JLI	SW8260C	
Benzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromobenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromochloromethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromoform	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromomethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Chlorobenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroform	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloromethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromomethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Ethylbenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
m&p-Xylene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.038	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.015	mg/Kg	1	12/11/16	JLI	SW8260C	
Methylene chloride	ND	0.015	mg/Kg	1	12/11/16	JLI	SW8260C	
Naphthalene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
o-Xylene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Styrene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.015	mg/Kg	1	12/11/16	JLI	SW8260C	1

Project ID: JUNCTA HISTORIC SITE
Client ID: GP6 8-10

Phoenix I.D.: BX03118

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
Total Xylenes	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.015	mg/Kg	1	12/11/16	JLI	SW8260C
Trichloroethene	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
Vinyl chloride	ND	0.0076	mg/Kg	1	12/11/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	12/11/16	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	12/11/16	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	12/11/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	12/11/16	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Acenaphthylene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Anthracene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benz(a)anthracene	0.99	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(a)pyrene	1.3	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(b)fluoranthene	0.97	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(ghi)perylene	1.3	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(k)fluoranthene	0.73	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Chrysene	1.3	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Fluoranthene	1.1	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Fluorene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	0.75	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Naphthalene	ND	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Phenanthrene	0.72	0.35	mg/Kg	1	12/13/16	DD	SW8270D
Pyrene	1.3	0.35	mg/Kg	1	12/13/16	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	60		%	1	12/13/16	DD	30 - 130 %
% Nitrobenzene-d5	52		%	1	12/13/16	DD	30 - 130 %
% Terphenyl-d14	66		%	1	12/13/16	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
December 13, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 13, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/08/16	14:15
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03114
Phoenix ID: BX03119

Project ID: JUNCTA HISTORIC SITE
Client ID: GP2 10-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	11.5	0.77	mg/Kg	1	12/11/16	LK	SW6010C
Barium	166	0.39	mg/Kg	1	12/11/16	LK	SW6010C
Cadmium	1.14	0.39	mg/Kg	1	12/11/16	LK	SW6010C
Chromium	32.8	0.39	mg/Kg	1	12/11/16	LK	SW6010C
Lead	40.9	0.39	mg/Kg	1	12/11/16	LK	SW6010C
Mercury	0.16	0.04	mg/Kg	1	12/12/16	RS	SW7471B
Selenium	< 1.5	1.5	mg/Kg	1	12/11/16	LK	SW6010C
Silver	< 0.39	0.39	mg/Kg	1	12/11/16	LK	SW6010C
Percent Solid	76		%		12/09/16	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/16	Q/Q	SW7471B
Total Metals Digest	Completed				12/09/16	X/AG/BF	SW3050B
Field Extraction	Completed				12/08/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP2 10-10

Phoenix I.D.: BX03119

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Hexanone	ND	0.031	mg/Kg	1	12/11/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.031	mg/Kg	1	12/11/16	JLI	SW8260C	
Acetone	ND	0.031	mg/Kg	1	12/11/16	JLI	SW8260C	
Acrylonitrile	ND	0.013	mg/Kg	1	12/11/16	JLI	SW8260C	
Benzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromobenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromochloromethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromoform	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Bromomethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Chlorobenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloroform	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Chloromethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Dibromomethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Ethylbenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
m&p-Xylene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.031	mg/Kg	1	12/11/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.013	mg/Kg	1	12/11/16	JLI	SW8260C	
Methylene chloride	ND	0.013	mg/Kg	1	12/11/16	JLI	SW8260C	
Naphthalene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
o-Xylene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Styrene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.013	mg/Kg	1	12/11/16	JLI	SW8260C	1

Project ID: JUNCTA HISTORIC SITE
Client ID: GP2 10-10

Phoenix I.D.: BX03119

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
Total Xylenes	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.013	mg/Kg	1	12/11/16	JLI	SW8260C
Trichloroethene	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
Vinyl chloride	ND	0.0063	mg/Kg	1	12/11/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	12/11/16	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	12/11/16	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	12/11/16	JLI	70 - 130 %
% Toluene-d8	96		%	1	12/11/16	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Acenaphthylene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Anthracene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benz(a)anthracene	0.55	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(a)pyrene	0.45	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(b)fluoranthene	0.53	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Benzo(k)fluoranthene	0.42	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Chrysene	0.56	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Fluoranthene	1.1	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Fluorene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	0.37	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Naphthalene	ND	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Phenanthrene	0.34	0.3	mg/Kg	1	12/13/16	DD	SW8270D
Pyrene	0.95	0.3	mg/Kg	1	12/13/16	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	55		%	1	12/13/16	DD	30 - 130 %
% Nitrobenzene-d5	37		%	1	12/13/16	DD	30 - 130 %
% Terphenyl-d14	75		%	1	12/13/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP2 10-10

Phoenix I.D.: BX03119

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
December 13, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 13, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/08/16	
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03114
Phoenix ID: BX03120

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				12/08/16		SW5035A	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
2-Hexanone	ND	0.025	mg/Kg	1	12/10/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK LOW

Phoenix I.D.: BX03120

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	12/10/16	JLI	SW8260C	
Acetone	ND	0.025	mg/Kg	1	12/10/16	JLI	SW8260C	
Acrylonitrile	ND	0.01	mg/Kg	1	12/10/16	JLI	SW8260C	
Benzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromobenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromochloromethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromodichloromethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromoform	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Bromomethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Carbon Disulfide	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Chlorobenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Chloroethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Chloroform	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Chloromethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Dibromochloromethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Dibromomethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Ethylbenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Isopropylbenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
m&p-Xylene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.025	mg/Kg	1	12/10/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	12/10/16	JLI	SW8260C	
Methylene chloride	ND	0.01	mg/Kg	1	12/10/16	JLI	SW8260C	
Naphthalene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
n-Butylbenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
n-Propylbenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
o-Xylene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Styrene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Tetrachloroethene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	12/10/16	JLI	SW8260C	1
Toluene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Total Xylenes	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	12/10/16	JLI	SW8260C	
Trichloroethene	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
Vinyl chloride	ND	0.005	mg/Kg	1	12/10/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96		%	1	12/10/16	JLI	70 - 130 %	
% Bromofluorobenzene	101		%	1	12/10/16	JLI	70 - 130 %	

Ver 1

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK LOW

Phoenix I.D.: BX03120

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	98		%	1	12/10/16	JLI	70 - 130 %
% Toluene-d8	100		%	1	12/10/16	JLI	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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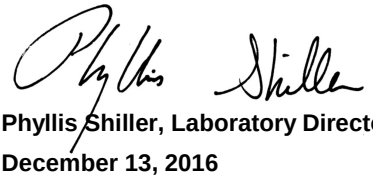

Phyllis Shiller, Laboratory Director
December 13, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 13, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/08/16	
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03114
Phoenix ID: BX03121

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				12/08/16		SW5035A	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
2-Hexanone	ND	1.3	mg/Kg	50	12/10/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BX03121

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1.3	mg/Kg	50	12/10/16	JLI	SW8260C	
Acetone	ND	5	mg/Kg	50	12/10/16	JLI	SW8260C	
Acrylonitrile	ND	0.5	mg/Kg	50	12/10/16	JLI	SW8260C	
Benzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Bromobenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Bromochloromethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Bromodichloromethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Bromoform	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Bromomethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Carbon Disulfide	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Chlorobenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Chloroethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Chloroform	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Chloromethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Dibromochloromethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Dibromomethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Ethylbenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Isopropylbenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
m&p-Xylene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	3	mg/Kg	50	12/10/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Methylene chloride	ND	0.5	mg/Kg	50	12/10/16	JLI	SW8260C	
Naphthalene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
n-Butylbenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
n-Propylbenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
o-Xylene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Styrene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Tetrachloroethene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.5	mg/Kg	50	12/10/16	JLI	SW8260C	1
Toluene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Total Xylenes	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.5	mg/Kg	50	12/10/16	JLI	SW8260C	
Trichloroethene	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
Vinyl chloride	ND	0.25	mg/Kg	50	12/10/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95		%	50	12/10/16	JLI	70 - 130 %	
% Bromofluorobenzene	103		%	50	12/10/16	JLI	70 - 130 %	

Ver 1

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BX03121

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	91		%	50	12/10/16	JLI	70 - 130 %
% Toluene-d8	98		%	50	12/10/16	JLI	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

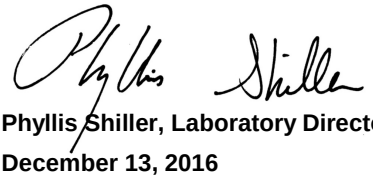
Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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



Phyllis Shiller, Laboratory Director
December 13, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

NY # 11301

QA/QC Report

December 13, 2016

QA/QC Data

SDG I.D.: GBX03114

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 369517 (mg/kg), QC Sample No: BV90873 (BX03114, BX03115, BX03116, BX03117, BX03118, BX03119)													
ICP Metals - Soil													
Arsenic	BRL	0.67	4.22	3.62	15.3	99.2			92.4			75 - 125	30
Barium	BRL	0.33	95.3	88.5	7.40	106			82.6			75 - 125	30
Cadmium	BRL	0.33	0.39	0.39	NC	94.6			88.7			75 - 125	30
Chromium	BRL	0.33	19.6	18.2	7.40	111			95.8			75 - 125	30
Lead	BRL	0.33	90.1	94.0	4.20	109			92.7			75 - 125	30
Selenium	BRL	1.3	<1.4	<1.3	NC	81.6			77.9			75 - 125	30
Silver	BRL	0.33	<0.34	<0.33	NC	104			101			75 - 125	30
QA/QC Batch 369577 (mg/kg), QC Sample No: BX02632 (BX03114, BX03115, BX03116, BX03117, BX03118, BX03119)													
Mercury - Soil	BRL	0.02	0.03 J	0.03 J	NC	88.2	85.6	3.0	89.6			70 - 130	30

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

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NY # 11301

QA/QC Report

December 13, 2016

QA/QC Data

SDG I.D.: GBX03114

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 369644 (mg/Kg), QC Sample No: BX03019 (BX03114, BX03115, BX03116, BX03117, BX03118, BX03119, BX03120, BX03121 (50X))											
Volatiles - Soil											
1,1,1,2-Tetrachloroethane	ND	0.005	105	99	5.9	91			70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	97	92	5.3	87			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	85	81	4.8	76			70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	97	91	6.4	85			70 - 130	30	
1,1-Dichloroethane	ND	0.005	101	95	6.1	91			70 - 130	30	
1,1-Dichloroethene	ND	0.005	107	98	8.8	94			70 - 130	30	
1,1-Dichloropropene	ND	0.005	103	95	8.1	90			70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	101	94	7.2	91			70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	81	77	5.1	74			70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	104	95	9.0	92			70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	113	105	7.3	88			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	85	82	3.6	77			70 - 130	30	
1,2-Dibromoethane	ND	0.005	100	92	8.3	88			70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	102	96	6.1	88			70 - 130	30	
1,2-Dichloroethane	ND	0.005	99	93	6.3	87			70 - 130	30	
1,2-Dichloropropane	ND	0.005	106	99	6.8	92			70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	113	106	6.4	97			70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	103	97	6.0	88			70 - 130	30	
1,3-Dichloropropane	ND	0.005	101	93	8.2	89			70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	104	98	5.9	89			70 - 130	30	
2,2-Dichloropropane	ND	0.005	102	97	5.0	93			70 - 130	30	
2-Chlorotoluene	ND	0.005	100	95	5.1	87			70 - 130	30	
2-Hexanone	ND	0.025	90	82	9.3	71			70 - 130	30	
2-Isopropyltoluene	ND	0.005	116	107	8.1	103			70 - 130	30	
4-Chlorotoluene	ND	0.005	101	95	6.1	85			70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	95	89	6.5	79			70 - 130	30	
Acetone	ND	0.01	78	71	9.4	63			70 - 130	30	m
Acrylonitrile	ND	0.005	94	88	6.6	85			70 - 130	30	
Benzene	ND	0.001	102	96	6.1	90			70 - 130	30	
Bromobenzene	ND	0.005	89	85	4.6	79			70 - 130	30	
Bromochloromethane	ND	0.005	98	93	5.2	90			70 - 130	30	
Bromodichloromethane	ND	0.005	105	99	5.9	92			70 - 130	30	
Bromoform	ND	0.005	97	93	4.2	83			70 - 130	30	
Bromomethane	ND	0.005	137	129	6.0	121			70 - 130	30	I
Carbon Disulfide	ND	0.005	121	111	8.6	105			70 - 130	30	
Carbon tetrachloride	ND	0.005	100	95	5.1	90			70 - 130	30	
Chlorobenzene	ND	0.005	104	95	9.0	91			70 - 130	30	
Chloroethane	ND	0.005	118	108	8.8	99			70 - 130	30	
Chloroform	ND	0.005	98	92	6.3	89			70 - 130	30	
Chloromethane	ND	0.005	107	96	10.8	94			70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,2-Dichloroethene	ND	0.005	104	96	8.0	93			70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	103	97	6.0	87			70 - 130	30	
Dibromochloromethane	ND	0.003	105	98	6.9	93			70 - 130	30	
Dibromomethane	ND	0.005	99	93	6.3	87			70 - 130	30	
Dichlorodifluoromethane	ND	0.005	125	112	11.0	107			70 - 130	30	
Ethylbenzene	ND	0.001	105	96	9.0	90			70 - 130	30	
Hexachlorobutadiene	ND	0.005	108	99	8.7	87			70 - 130	30	
Isopropylbenzene	ND	0.001	95	89	6.5	83			70 - 130	30	
m&p-Xylene	ND	0.002	111	101	9.4	89			70 - 130	30	
Methyl ethyl ketone	ND	0.005	88	82	7.1	74			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	97	70	32.3	67			70 - 130	30	m,r
Methylene chloride	ND	0.005	100	93	7.3	87			70 - 130	30	
Naphthalene	ND	0.005	96	91	5.3	75			70 - 130	30	
n-Butylbenzene	ND	0.001	115	107	7.2	97			70 - 130	30	
n-Propylbenzene	ND	0.001	99	94	5.2	86			70 - 130	30	
o-Xylene	ND	0.002	111	101	9.4	94			70 - 130	30	
p-Isopropyltoluene	ND	0.001	109	101	7.6	94			70 - 130	30	
sec-Butylbenzene	ND	0.001	108	100	7.7	94			70 - 130	30	
Styrene	ND	0.005	105	96	9.0	90			70 - 130	30	
tert-Butylbenzene	ND	0.001	100	94	6.2	88			70 - 130	30	
Tetrachloroethene	ND	0.005	106	96	9.9	93			70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	92	84	9.1	83			70 - 130	30	
Toluene	ND	0.001	103	96	7.0	90			70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	108	100	7.7	83			70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	101	95	6.1	85			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	90	85	5.7	75			70 - 130	30	
Trichloroethene	ND	0.005	106	99	6.8	95			70 - 130	30	
Trichlorofluoromethane	ND	0.005	124	112	10.2	107			70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	115	107	7.2	107			70 - 130	30	
Vinyl chloride	ND	0.005	116	107	8.1	105			70 - 130	30	
% 1,2-dichlorobenzene-d4	97	%	97	100	3.0	100			70 - 130	30	
% Bromofluorobenzene	102	%	103	101	2.0	100			70 - 130	30	
% Dibromofluoromethane	99	%	98	101	3.0	103			70 - 130	30	
% Toluene-d8	97	%	100	102	2.0	100			70 - 130	30	

Comment:

The MSD is not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 369689 (mg/Kg), QC Sample No: BX03023 (BX03117 (50X))

Volatiles - Soil

1,1,2,2-Tetrachloroethane	ND	0.003	99	99	0.0	95	94	1.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	88	88	0.0	85	84	1.2	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	95	94	1.1	90	88	2.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	81	81	0.0	78	80	2.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	91	92	1.1	79	75	5.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	105	108	2.8	94	92	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	95	96	1.0	90	89	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	92	92	0.0	90	88	2.2	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	90	90	0.0	88	89	1.1	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	92	90	2.2	89	89	0.0	70 - 130	30	
2-Chlorotoluene	ND	0.005	97	95	2.1	92	92	0.0	70 - 130	30	
2-Isopropyltoluene	ND	0.005	103	103	0.0	101	99	2.0	70 - 130	30	
4-Chlorotoluene	ND	0.005	90	89	1.1	86	87	1.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBX03114

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromobenzene	ND	0.005	98	97	1.0	95	95	0.0	70 - 130	30	
Hexachlorobutadiene	ND	0.005	94	95	1.1	94	92	2.2	70 - 130	30	
Isopropylbenzene	ND	0.001	96	96	0.0	94	92	2.2	70 - 130	30	
Naphthalene	ND	0.005	92	92	0.0	62	57	8.4	70 - 130	30	m
n-Butylbenzene	ND	0.001	94	94	0.0	90	89	1.1	70 - 130	30	
n-Propylbenzene	ND	0.001	93	94	1.1	93	91	2.2	70 - 130	30	
p-Isopropyltoluene	ND	0.001	93	92	1.1	91	91	0.0	70 - 130	30	
sec-Butylbenzene	ND	0.001	99	98	1.0	98	96	2.1	70 - 130	30	
tert-Butylbenzene	ND	0.001	97	96	1.0	97	96	1.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	102	103	1.0	87	86	1.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	95	%	102	103	1.0	101	104	2.9	70 - 130	30	
% Bromofluorobenzene	100	%	101	101	0.0	99	100	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 369682 (mg/Kg), QC Sample No: BX03092 (BX03114, BX03115, BX03116, BX03117, BX03118, BX03119)

Polynuclear Aromatic HC - Soil

Acenaphthene	ND	0.23	71	65	8.8	30 - 130	30	
Acenaphthylene	ND	0.23	69	63	9.1	30 - 130	30	
Anthracene	ND	0.23	74	69	7.0	30 - 130	30	
Benz(a)anthracene	ND	0.23	72	69	4.3	30 - 130	30	
Benzo(a)pyrene	ND	0.23	71	68	4.3	30 - 130	30	
Benzo(b)fluoranthene	ND	0.23	76	71	6.8	30 - 130	30	
Benzo(ghi)perylene	ND	0.23	69	67	2.9	30 - 130	30	
Benzo(k)fluoranthene	ND	0.23	70	68	2.9	30 - 130	30	
Chrysene	ND	0.23	75	73	2.7	30 - 130	30	
Dibenz(a,h)anthracene	ND	0.23	68	65	4.5	30 - 130	30	
Fluoranthene	ND	0.23	77	69	11.0	30 - 130	30	
Fluorene	ND	0.23	72	68	5.7	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	74	73	1.4	30 - 130	30	
Naphthalene	ND	0.23	65	59	9.7	30 - 130	30	
Phenanthrene	ND	0.23	72	68	5.7	30 - 130	30	
Pyrene	ND	0.23	80	71	11.9	30 - 130	30	
% 2-Fluorobiphenyl	64	%	64	58	9.8	30 - 130	30	
% Nitrobenzene-d5	61	%	61	61	0.0	30 - 130	30	
% Terphenyl-d14	77	%	75	68	9.8	30 - 130	30	

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
December 13, 2016

Tuesday, December 13, 2016

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBX03114 - CT-MALE

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

*** No Data to Display ***

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

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

December 13, 2016

SDG I.D.: GBX03114

The samples in this delivery group were received at 2°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 2 °C Pg of

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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Email: info@phoenixlabs.com Fax (860) 645-0823
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Contact Options:
☐ Fax:
☒ Phone: 518 786 7400
☒ Email: a.gates@CTMale.com

Customer: CT Male Associates
Address: 50 Century Hill Dr.
Latham NY 12110

Project: Junction Hudson Site
Report to: Aimee Gates
Invoice to: Aimee Gates

Project P.O: 166695

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 12/9/16

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs CP-51 8270	8 RCRA Metals	Soil VOA Vials [ ] methanol [ ] H2O HCl	GL Soil container (4/8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03114	GP3 6-8	S	12/9/16	1000	X	X	X		3	2							
03115	GP1 8-10			1120	X	X	X		3	2							
03116	GP4 8-10			1200	X	X	X		3	2							
03117	GP5 6-8			1230	X	X	X		3	2							
03118	GP6 8-10			1330	X	X	X		3	2							
03119	GP2 10-10			1415	X	X	X		3	2							
03120	Trip Blank HL				X				2								
03121	TB HL																

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/9/16	1348
[signature]	[signature]	12/9/16	3:10
[signature]	[signature]	12/9/16	17:40

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☐ Restricted/Residential
☐ Commercial
☐ Industrial

Data Format
☒ Phoenix Std Report
☒ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

APPENDIX E

Laboratory Analysis Report for Groundwater

PHOENIX
Environmental Laboratories, Inc.

Monday, December 19, 2016

Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Project ID: JUNCTA HISTORIC SITE
Sample ID#s: BX03107 - BX03113

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/08/16	10:15
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03107
Phoenix ID: BX03107

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.090	0.004	mg/L	1	12/13/16	TH	SW6010C
Barium	0.891	0.002	mg/L	1	12/13/16	TH	SW6010C
Cadmium	0.006	0.001	mg/L	1	12/13/16	TH	SW6010C
Chromium	0.171	0.001	mg/L	1	12/13/16	TH	SW6010C
Lead	0.543	0.002	mg/L	1	12/13/16	TH	SW6010C
Mercury	0.0009	0.0002	mg/L	1	12/12/16	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	12/13/16	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/13/16	TH	SW6010C
Mercury Digestion	Completed				12/11/16	Q/Q	SW7470A
Semi-Volatile Extraction	Completed				12/09/16	P/D	SW3520C
Total Metals Digestion	Completed				12/12/16	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	12/10/16	MH	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-3

Phoenix I.D.: BX03107

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Acetone	ND	25	ug/L	1	12/10/16	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/10/16	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/10/16	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-3

Phoenix I.D.: BX03107

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96		%	1	12/10/16	MH	70 - 130 %	
% Bromofluorobenzene	97		%	1	12/10/16	MH	70 - 130 %	
% Dibromofluoromethane	95		%	1	12/10/16	MH	70 - 130 %	
% Toluene-d8	101		%	1	12/10/16	MH	70 - 130 %	
Semivolatiles by SIM								
2-Methylnaphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Acenaphthene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Acenaphthylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Anthracene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Benz(a)anthracene	0.08	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Benzo(a)pyrene	0.08	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Benzo(b)fluoranthene	0.07	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Benzo(k)fluoranthene	0.07	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Chrysene	0.08	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Fluoranthene	0.15	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Fluorene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	0.04	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Naphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Phenanthrene	0.08	0.07	ug/L	1	12/14/16	DD	SW8270D (SIM)	
Pyrene	0.15	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)	
QA/QC Surrogates								
% 2-Fluorobiphenyl	42		%	1	12/14/16	DD	30 - 130 %	
% Nitrobenzene-d5	17		%	1	12/14/16	DD	30 - 130 %	3
% Terphenyl-d14	93		%	1	12/14/16	DD	30 - 130 %	

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-3

Phoenix I.D.: BX03107

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

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

Phyllis Shiller, Laboratory Director
December 19, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/08/16	12:30
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03107
Phoenix ID: BX03108

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.541	0.004	mg/L	1	12/13/16	TH	SW6010C
Barium	8.85	0.002	mg/L	1	12/13/16	TH	SW6010C
Cadmium	0.041	0.001	mg/L	1	12/13/16	TH	SW6010C
Chromium	1.01	0.001	mg/L	1	12/13/16	TH	SW6010C
Lead	1.14	0.002	mg/L	1	12/13/16	TH	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	12/13/16	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	12/13/16	MA	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/13/16	MA	SW6010C
Mercury Digestion	Completed				12/13/16	Q/W	SW7470A
Semi-Volatile Extraction	Completed				12/09/16	P/D	SW3520C
Total Metals Digestion	Completed				12/12/16	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	12/10/16	MH	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-1

Phoenix I.D.: BX03108

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Acetone	ND	25	ug/L	1	12/10/16	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/10/16	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/10/16	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-1

Phoenix I.D.: BX03108

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/10/16	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	12/10/16	MH	70 - 130 %
% Bromofluorobenzene	95		%	1	12/10/16	MH	70 - 130 %
% Dibromofluoromethane	92		%	1	12/10/16	MH	70 - 130 %
% Toluene-d8	100		%	1	12/10/16	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Phenanthrene	ND	0.07	ug/L	1	12/14/16	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	56		%	1	12/14/16	DD	30 - 130 %
% Nitrobenzene-d5	47		%	1	12/14/16	DD	30 - 130 %
% Terphenyl-d14	89		%	1	12/14/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-1

Phoenix I.D.: BX03108

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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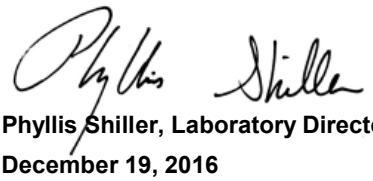

Phyllis Shiller, Laboratory Director
December 19, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/08/16	13:20
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03107
Phoenix ID: BX03109

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.049	0.004	mg/L	1	12/13/16	TH	SW6010C
Barium	1.60	0.002	mg/L	1	12/13/16	TH	SW6010C
Cadmium	0.009	0.001	mg/L	1	12/13/16	TH	SW6010C
Chromium	0.300	0.001	mg/L	1	12/13/16	TH	SW6010C
Lead	2.27	0.020	mg/L	10	12/15/16	LK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	12/13/16	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	12/13/16	TH	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/13/16	TH	SW6010C
Mercury Digestion	Completed				12/13/16	Q/W	SW7470A
Semi-Volatile Extraction	Completed				12/09/16	P/D	SW3520C
Total Metals Digestion	Completed				12/12/16	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	12/10/16	MH	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-4

Phoenix I.D.: BX03109

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Acetone	ND	25	ug/L	1	12/10/16	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/10/16	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/10/16	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-4

Phoenix I.D.: BX03109

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/10/16	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	12/10/16	MH	70 - 130 %
% Bromofluorobenzene	94		%	1	12/10/16	MH	70 - 130 %
% Dibromofluoromethane	92		%	1	12/10/16	MH	70 - 130 %
% Toluene-d8	100		%	1	12/10/16	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benz(a)anthracene	0.06	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(a)pyrene	0.04	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.06	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.07	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Chrysene	0.07	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluoranthene	0.15	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.04	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Phenanthrene	0.07	0.07	ug/L	1	12/14/16	DD	SW8270D (SIM)
Pyrene	0.11	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	60		%	1	12/14/16	DD	30 - 130 %
% Nitrobenzene-d5	51		%	1	12/14/16	DD	30 - 130 %
% Terphenyl-d14	97		%	1	12/14/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-4

Phoenix I.D.: BX03109

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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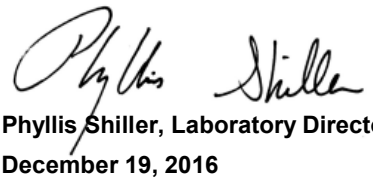

Phyllis Shiller, Laboratory Director
December 19, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/08/16	13:50
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03107
Phoenix ID: BX03110

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.062	0.004	mg/L	1	12/13/16	TH	SW6010C
Barium	1.98	0.002	mg/L	1	12/13/16	TH	SW6010C
Cadmium	0.017	0.001	mg/L	1	12/13/16	TH	SW6010C
Chromium	0.355	0.001	mg/L	1	12/13/16	TH	SW6010C
Lead	4.76	0.020	mg/L	10	12/15/16	LK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	12/13/16	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	12/13/16	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/13/16	TH	SW6010C
Mercury Digestion	Completed				12/13/16	Q/W	SW7470A
Semi-Volatile Extraction	Completed				12/12/16	P/D	SW3520C
Total Metals Digestion	Completed				12/12/16	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1,1-Trichloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	2	12/12/16	MH	SW8260C
1,1,2-Trichloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1-Dichloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1-Dichloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1-Dichloropropene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2,3-Trichloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2-Dibromoethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2-Dichloroethane	ND	1.2	ug/L	2	12/12/16	MH	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-5

Phoenix I.D.: BX03110

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
1,3-Dichloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
2,2-Dichloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
2-Chlorotoluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
2-Hexanone	ND	10	ug/L	2	12/12/16	MH	SW8260C	
2-Isopropyltoluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	1
4-Chlorotoluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	10	ug/L	2	12/12/16	MH	SW8260C	
Acetone	ND	50	ug/L	2	12/12/16	MH	SW8260C	
Acrylonitrile	ND	10	ug/L	2	12/12/16	MH	SW8260C	
Benzene	ND	1.4	ug/L	2	12/12/16	MH	SW8260C	
Bromobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Bromochloromethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Bromodichloromethane	ND	1.0	ug/L	2	12/12/16	MH	SW8260C	
Bromoform	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Bromomethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Carbon Disulfide	ND	10	ug/L	2	12/12/16	MH	SW8260C	
Carbon tetrachloride	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Chlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Chloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Chloroform	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Chloromethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.80	ug/L	2	12/12/16	MH	SW8260C	
Dibromochloromethane	ND	1.0	ug/L	2	12/12/16	MH	SW8260C	
Dibromomethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Dichlorodifluoromethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Ethylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.80	ug/L	2	12/12/16	MH	SW8260C	
Isopropylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
m&p-Xylene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Methyl ethyl ketone	ND	10	ug/L	2	12/12/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Methylene chloride	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Naphthalene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
n-Butylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
n-Propylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
o-Xylene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
p-Isopropyltoluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
sec-Butylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Styrene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
tert-Butylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Tetrachloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	ug/L	2	12/12/16	MH	SW8260C	1
Toluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Total Xylenes	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-5

Phoenix I.D.: BX03110

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.80	ug/L	2	12/12/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/L	2	12/12/16	MH	SW8260C
Trichloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
Trichlorofluoromethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
Trichlorotrifluoroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
Vinyl chloride	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	2	12/12/16	MH	70 - 130 %
% Bromofluorobenzene	96		%	2	12/12/16	MH	70 - 130 %
% Dibromofluoromethane	104		%	2	12/12/16	MH	70 - 130 %
% Toluene-d8	98		%	2	12/12/16	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
Anthracene	ND	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benz(a)anthracene	0.11	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(a)pyrene	0.10	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.10	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.08	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Chrysene	0.10	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluoranthene	0.24	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluorene	ND	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.07	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Naphthalene	ND	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
Phenanthrene	0.16	0.08	ug/L	1	12/14/16	DD	SW8270D (SIM)
Pyrene	0.23	0.11	ug/L	1	12/14/16	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	66		%	1	12/14/16	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	12/14/16	DD	30 - 130 %
% Terphenyl-d14	107		%	1	12/14/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-5

Phoenix I.D.: BX03110

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
Elevated reporting limits for volatiles due to the amount of sediment in the vial.

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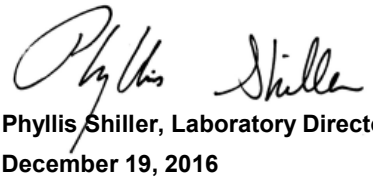

Phyllis Shiller, Laboratory Director
December 19, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/08/16	14:30
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03107
Phoenix ID: BX03111

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.176	0.004	mg/L	1	12/13/16	TH	SW6010C
Barium	1.34	0.002	mg/L	1	12/13/16	TH	SW6010C
Cadmium	0.014	0.001	mg/L	1	12/13/16	TH	SW6010C
Chromium	0.205	0.001	mg/L	1	12/13/16	TH	SW6010C
Lead	5.47	0.020	mg/L	10	12/15/16	LK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	12/13/16	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	12/13/16	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/13/16	TH	SW6010C
Mercury Digestion	Completed				12/13/16	Q/W	SW7470A
Semi-Volatile Extraction	Completed				12/09/16	P/D	SW3520C
Total Metals Digestion	Completed				12/12/16	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1,1-Trichloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	2	12/12/16	MH	SW8260C
1,1,2-Trichloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1-Dichloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1-Dichloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,1-Dichloropropene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2,3-Trichloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2-Dibromoethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
1,2-Dichloroethane	ND	1.2	ug/L	2	12/12/16	MH	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-6

Phoenix I.D.: BX03111

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
1,3-Dichloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
2,2-Dichloropropane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
2-Chlorotoluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
2-Hexanone	ND	10	ug/L	2	12/12/16	MH	SW8260C	
2-Isopropyltoluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	1
4-Chlorotoluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	10	ug/L	2	12/12/16	MH	SW8260C	
Acetone	ND	50	ug/L	2	12/12/16	MH	SW8260C	
Acrylonitrile	ND	10	ug/L	2	12/12/16	MH	SW8260C	
Benzene	ND	1.4	ug/L	2	12/12/16	MH	SW8260C	
Bromobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Bromochloromethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Bromodichloromethane	ND	1.0	ug/L	2	12/12/16	MH	SW8260C	
Bromoform	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Bromomethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Carbon Disulfide	ND	10	ug/L	2	12/12/16	MH	SW8260C	
Carbon tetrachloride	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Chlorobenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Chloroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Chloroform	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Chloromethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.80	ug/L	2	12/12/16	MH	SW8260C	
Dibromochloromethane	ND	1.0	ug/L	2	12/12/16	MH	SW8260C	
Dibromomethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Dichlorodifluoromethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Ethylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.80	ug/L	2	12/12/16	MH	SW8260C	
Isopropylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
m&p-Xylene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Methyl ethyl ketone	ND	10	ug/L	2	12/12/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Methylene chloride	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Naphthalene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
n-Butylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
n-Propylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
o-Xylene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
p-Isopropyltoluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
sec-Butylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Styrene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
tert-Butylbenzene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Tetrachloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	ug/L	2	12/12/16	MH	SW8260C	1
Toluene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	
Total Xylenes	ND	2.0	ug/L	2	12/12/16	MH	SW8260C	

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-6

Phoenix I.D.: BX03111

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.80	ug/L	2	12/12/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/L	2	12/12/16	MH	SW8260C
Trichloroethene	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
Trichlorofluoromethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
Trichlorotrifluoroethane	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
Vinyl chloride	ND	2.0	ug/L	2	12/12/16	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	2	12/12/16	MH	70 - 130 %
% Bromofluorobenzene	95		%	2	12/12/16	MH	70 - 130 %
% Dibromofluoromethane	102		%	2	12/12/16	MH	70 - 130 %
% Toluene-d8	100		%	2	12/12/16	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benz(a)anthracene	0.17	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(a)pyrene	0.15	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.15	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.15	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Chrysene	0.19	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	0.02	0.01	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluoranthene	0.44	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.10	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Phenanthrene	0.25	0.07	ug/L	1	12/14/16	DD	SW8270D (SIM)
Pyrene	0.38	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	62		%	1	12/14/16	DD	30 - 130 %
% Nitrobenzene-d5	50		%	1	12/14/16	DD	30 - 130 %
% Terphenyl-d14	97		%	1	12/14/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-6

Phoenix I.D.: BX03111

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
Elevated reporting limits for volatiles due to the amount of sediment in the vial.

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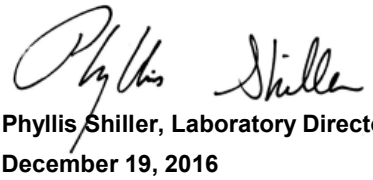

Phyllis Shiller, Laboratory Director
December 19, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/08/16	14:30
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03107
Phoenix ID: BX03112

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.097	0.004	mg/L	1	12/13/16	TH	SW6010C
Barium	3.08	0.002	mg/L	1	12/13/16	TH	SW6010C
Cadmium	0.011	0.001	mg/L	1	12/13/16	TH	SW6010C
Chromium	0.071	0.001	mg/L	1	12/13/16	TH	SW6010C
Lead	14.3	0.020	mg/L	10	12/15/16	LK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	12/13/16	RS	SW7470A
Selenium	0.031	0.010	mg/L	1	12/13/16	TH	SW6010C
Silver	< 0.001	0.001	mg/L	1	12/13/16	MA	SW6010C
Mercury Digestion	Completed				12/13/16	Q/W	SW7470A
Semi-Volatile Extraction	Completed				12/09/16	P/D	SW3520C
Total Metals Digestion	Completed				12/12/16	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	12/10/16	MH	SW8260C

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-2

Phoenix I.D.: BX03112

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Acetone	ND	25	ug/L	1	12/10/16	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/10/16	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/10/16	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-2

Phoenix I.D.: BX03112

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/10/16	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	12/10/16	MH	70 - 130 %
% Bromofluorobenzene	95		%	1	12/10/16	MH	70 - 130 %
% Dibromofluoromethane	92		%	1	12/10/16	MH	70 - 130 %
% Toluene-d8	101		%	1	12/10/16	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Anthracene	0.14	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benz(a)anthracene	0.81	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(a)pyrene	0.35	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.89	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	0.45	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.79	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Chrysene	0.92	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	0.26	0.01	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluoranthene	2.1	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.50	0.02	ug/L	1	12/14/16	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
Phenanthrene	0.65	0.07	ug/L	1	12/14/16	DD	SW8270D (SIM)
Pyrene	1.3	0.10	ug/L	1	12/14/16	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	61		%	1	12/14/16	DD	30 - 130 %
% Nitrobenzene-d5	46		%	1	12/14/16	DD	30 - 130 %
% Terphenyl-d14	99		%	1	12/14/16	DD	30 - 130 %

Project ID: JUNCTA HISTORIC SITE
Client ID: GP-2

Phoenix I.D.: BX03112

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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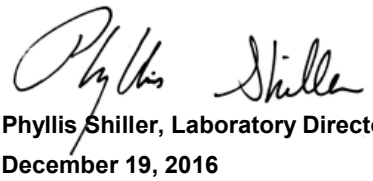

Phyllis Shiller, Laboratory Director
December 19, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 2016

FOR: Attn: Ms. Aimee Gates
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/08/16	
Location Code:	CT-MALE	Received by:	B	12/09/16	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	166648				

Laboratory Data

SDG ID: GBX03107
Phoenix ID: BX03113

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	12/10/16	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	

Ver 1

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK

Phoenix I.D.: BX03113

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	12/10/16	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/10/16	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/10/16	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/10/16	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/10/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/10/16	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	12/10/16	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94		%	1	12/10/16	MH	70 - 130 %	
% Bromofluorobenzene	92		%	1	12/10/16	MH	70 - 130 %	
% Dibromofluoromethane	89		%	1	12/10/16	MH	70 - 130 %	

Ver 1

Project ID: JUNCTA HISTORIC SITE
Client ID: TRIP BLANK

Phoenix I.D.: BX03113

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99		%	1	12/10/16	MH	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

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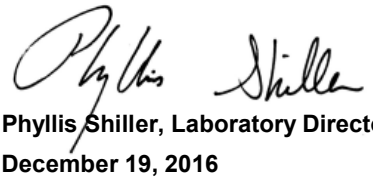

Phyllis Shiller, Laboratory Director
December 19, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

December 19, 2016

QA/QC Data

SDG I.D.: GBX03107

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 369718 (mg/L), QC Sample No: BX02560 (BX03107, BX03108, BX03109, BX03110, BX03111, BX03112)													
ICP Metals - Aqueous													
Arsenic	BRL	0.004	<0.004	<0.004	NC	94.5			108			75 - 125	20
Barium	BRL	0.002	0.015	0.013	14.3	100			114			75 - 125	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	94.3			107			75 - 125	20
Chromium	BRL	0.001	<0.001	<0.001	NC	97.9			111			75 - 125	20
Lead	BRL	0.002	<0.002	<0.002	NC	94.1			108			75 - 125	20
Selenium	BRL	0.010	<0.010	<0.010	NC	95.5			109			75 - 125	20
Silver	BRL	0.001	<0.001	<0.001	NC	95.2			109			75 - 125	20
QA/QC Batch 369579 (mg/L), QC Sample No: BX02591 (BX03107)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	89.1			89.8			70 - 130	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 369762 (mg/L), QC Sample No: BX03250 (BX03108, BX03109, BX03110, BX03111, BX03112)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	86.0			87.8			70 - 130	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

December 19, 2016

QA/QC Data

SDG I.D.: GBX03107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 369683 (ug/L), QC Sample No: BV91014 (BX03110)										
Semivolatiles by SIM - Ground Water										
2-Methylnaphthalene	ND	0.05	68	73	7.1				30 - 130	20
Acenaphthene	ND	0.05	79	85	7.3				30 - 130	20
Acenaphthylene	ND	0.04	82	87	5.9				30 - 130	20
Anthracene	ND	0.02	84	88	4.7				30 - 130	20
Benz(a)anthracene	ND	0.02	78	76	2.6				30 - 130	20
Benzo(a)pyrene	ND	0.02	77	77	0.0				30 - 130	20
Benzo(b)fluoranthene	ND	0.02	89	90	1.1				30 - 130	20
Benzo(ghi)perylene	ND	0.02	89	86	3.4				30 - 130	20
Benzo(k)fluoranthene	ND	0.02	73	76	4.0				30 - 130	20
Chrysene	ND	0.02	78	78	0.0				30 - 130	20
Dibenz(a,h)anthracene	ND	0.01	99	97	2.0				30 - 130	20
Fluoranthene	ND	0.04	87	89	2.3				30 - 130	20
Fluorene	ND	0.05	83	89	7.0				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.02	91	89	2.2				30 - 130	20
Naphthalene	ND	0.05	67	71	5.8				30 - 130	20
Phenanthrene	ND	0.05	77	80	3.8				30 - 130	20
Pyrene	ND	0.02	89	90	1.1				30 - 130	20
% 2-Fluorobiphenyl	73	%	68	77	12.4				30 - 130	20
% Nitrobenzene-d5	82	%	65	70	7.4				30 - 130	20
% Terphenyl-d14	100	%	99	102	3.0				30 - 130	20
Comment:										
Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)										
QA/QC Batch 370099 (ug/L), QC Sample No: BX02515 (BX03110 (2X) , BX03111 (2X))										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	97	88	9.7				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	88	81	8.3				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	95	86	9.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	93	85	9.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	93	81	13.8				70 - 130	30
1,1-Dichloroethene	ND	1.0	90	86	4.5				70 - 130	30
1,1-Dichloropropene	ND	1.0	90	82	9.3				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	106	100	5.8				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	86	85	1.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	106	99	6.8				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	90	82	9.3				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	101	95	6.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	94	88	6.6				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	97	91	6.4				70 - 130	30
1,2-Dichloroethane	ND	1.0	92	84	9.1				70 - 130	30
1,2-Dichloropropane	ND	1.0	93	87	6.7				70 - 130	30

QA/QC Data

SDG I.D.: GBX03107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,3,5-Trimethylbenzene	ND	1.0	96	88	8.7				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	97	92	5.3				70 - 130	30
1,3-Dichloropropane	ND	1.0	94	88	6.6				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	97	90	7.5				70 - 130	30
2,2-Dichloropropane	ND	1.0	96	89	7.6				70 - 130	30
2-Chlorotoluene	ND	1.0	96	89	7.6				70 - 130	30
2-Hexanone	ND	5.0	91	83	9.2				70 - 130	30
2-Isopropyltoluene	ND	1.0	104	96	8.0				70 - 130	30
4-Chlorotoluene	ND	1.0	94	88	6.6				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	93	82	12.6				70 - 130	30
Acetone	ND	5.0	84	81	3.6				70 - 130	30
Acrylonitrile	ND	5.0	100	85	16.2				70 - 130	30
Benzene	ND	0.70	88	81	8.3				70 - 130	30
Bromobenzene	ND	1.0	94	88	6.6				70 - 130	30
Bromochloromethane	ND	1.0	91	88	3.4				70 - 130	30
Bromodichloromethane	ND	0.50	92	89	3.3				70 - 130	30
Bromoform	ND	1.0	99	90	9.5				70 - 130	30
Bromomethane	ND	1.0	98	91	7.4				70 - 130	30
Carbon Disulfide	ND	1.0	103	94	9.1				70 - 130	30
Carbon tetrachloride	ND	1.0	90	82	9.3				70 - 130	30
Chlorobenzene	ND	1.0	95	88	7.7				70 - 130	30
Chloroethane	ND	1.0	104	98	5.9				70 - 130	30
Chloroform	ND	1.0	89	84	5.8				70 - 130	30
Chloromethane	ND	1.0	105	98	6.9				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	90	90	0.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	94	88	6.6				70 - 130	30
Dibromochloromethane	ND	0.50	101	91	10.4				70 - 130	30
Dibromomethane	ND	1.0	93	85	9.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	122	111	9.4				70 - 130	30
Ethylbenzene	ND	1.0	90	83	8.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	108	100	7.7				70 - 130	30
Isopropylbenzene	ND	1.0	95	86	9.9				70 - 130	30
m&p-Xylene	ND	1.0	90	82	9.3				70 - 130	30
Methyl ethyl ketone	ND	5.0	94	86	8.9				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	97	86	12.0				70 - 130	30
Methylene chloride	ND	1.0	86	94	8.9				70 - 130	30
Naphthalene	ND	1.0	102	93	9.2				70 - 130	30
n-Butylbenzene	ND	1.0	100	92	8.3				70 - 130	30
n-Propylbenzene	ND	1.0	93	85	9.0				70 - 130	30
o-Xylene	ND	1.0	89	83	7.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	99	90	9.5				70 - 130	30
sec-Butylbenzene	ND	1.0	101	92	9.3				70 - 130	30
Styrene	ND	1.0	97	89	8.6				70 - 130	30
tert-Butylbenzene	ND	1.0	96	88	8.7				70 - 130	30
Tetrachloroethene	ND	1.0	95	85	11.1				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	100	86	15.1				70 - 130	30
Toluene	ND	1.0	88	81	8.3				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	98	91	7.4				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	95	88	7.7				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	108	96	11.8				70 - 130	30
Trichloroethene	ND	1.0	97	87	10.9				70 - 130	30
Trichlorofluoromethane	ND	1.0	98	87	11.9				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	100	93	7.3				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Vinyl chloride	ND	1.0	112	103	8.4				70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	100	102	2.0				70 - 130	30	
% Bromofluorobenzene	93	%	98	97	1.0				70 - 130	30	
% Dibromofluoromethane	99	%	100	99	1.0				70 - 130	30	
% Toluene-d8	99	%	98	99	1.0				70 - 130	30	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 369512 (ug/L), QC Sample No: BX02609 (BX03107, BX03108, BX03109, BX03111, BX03112)

Semivolatiles by SIM - Ground Water

2-Methylnaphthalene	ND	0.05	55	57	3.6				30 - 130	20	
Acenaphthene	ND	0.05	62	69	10.7				30 - 130	20	
Acenaphthylene	ND	0.04	14	81	141.1				30 - 130	20	l,r
Anthracene	ND	0.02	76	87	13.5				30 - 130	20	
Benz(a)anthracene	ND	0.02	81	90	10.5				30 - 130	20	
Benzo(a)pyrene	ND	0.02	56	81	36.5				30 - 130	20	r
Benzo(b)fluoranthene	ND	0.02	91	98	7.4				30 - 130	20	
Benzo(ghi)perylene	ND	0.02	75	86	13.7				30 - 130	20	
Benzo(k)fluoranthene	ND	0.02	74	82	10.3				30 - 130	20	
Chrysene	ND	0.02	70	75	6.9				30 - 130	20	
Dibenz(a,h)anthracene	ND	0.01	87	96	9.8				30 - 130	20	
Fluoranthene	ND	0.04	84	93	10.2				30 - 130	20	
Fluorene	ND	0.05	73	76	4.0				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	0.02	87	99	12.9				30 - 130	20	
Naphthalene	ND	0.05	40	42	4.9				30 - 130	20	
Phenanthrene	ND	0.05	68	74	8.5				30 - 130	20	
Pyrene	ND	0.02	77	94	19.9				30 - 130	20	
% 2-Fluorobiphenyl	44	%	53	59	10.7				30 - 130	20	
% Nitrobenzene-d5	33	%	44	48	8.7				30 - 130	20	
% Terphenyl-d14	92	%	87	96	9.8				30 - 130	20	

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 370298 (ug/L), QC Sample No: BX03113 (BX03107, BX03108, BX03109, BX03112, BX03113)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	80	103	25.1				70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	75	93	21.4				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	80	107	28.9				70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	77	106	31.7				70 - 130	30	r
1,1-Dichloroethane	ND	1.0	78	99	23.7				70 - 130	30	
1,1-Dichloroethene	ND	1.0	81	97	18.0				70 - 130	30	
1,1-Dichloropropene	ND	1.0	77	92	17.8				70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	80	108	29.8				70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	75	101	29.5				70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	78	102	26.7				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	81	98	19.0				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	70	101	36.3				70 - 130	30	r
1,2-Dibromoethane	ND	1.0	77	102	27.9				70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	79	101	24.4				70 - 130	30	
1,2-Dichloroethane	ND	1.0	78	105	29.5				70 - 130	30	
1,2-Dichloropropane	ND	1.0	80	102	24.2				70 - 130	30	

QA/QC Data

SDG I.D.: GBX03107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	1.0	80	97	19.2				70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	81	100	21.0				70 - 130	30	
1,3-Dichloropropane	ND	1.0	78	104	28.6				70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	80	99	21.2				70 - 130	30	
2,2-Dichloropropane	ND	1.0	76	93	20.1				70 - 130	30	
2-Chlorotoluene	ND	1.0	83	101	19.6				70 - 130	30	
2-Hexanone	ND	5.0	68	98	36.1				70 - 130	30	l,r
2-Isopropyltoluene	ND	1.0	90	110	20.0				70 - 130	30	
4-Chlorotoluene	ND	1.0	81	98	19.0				70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	75	112	39.6				70 - 130	30	r
Acetone	ND	5.0	76	97	24.3				70 - 130	30	
Acrylonitrile	ND	5.0	67	112	50.3				70 - 130	30	l,r
Benzene	ND	0.70	81	100	21.0				70 - 130	30	
Bromobenzene	ND	1.0	82	101	20.8				70 - 130	30	
Bromochloromethane	ND	1.0	79	104	27.3				70 - 130	30	
Bromodichloromethane	ND	0.50	79	102	25.4				70 - 130	30	
Bromoform	ND	1.0	68	94	32.1				70 - 130	30	l,r
Bromomethane	ND	1.0	77	108	33.5				70 - 130	30	r
Carbon Disulfide	ND	1.0	90	109	19.1				70 - 130	30	
Carbon tetrachloride	ND	1.0	76	94	21.2				70 - 130	30	
Chlorobenzene	ND	1.0	83	100	18.6				70 - 130	30	
Chloroethane	ND	1.0	105	129	20.5				70 - 130	30	
Chloroform	ND	1.0	77	101	27.0				70 - 130	30	
Chloromethane	ND	1.0	96	118	20.6				70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	79	101	24.4				70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	73	98	29.2				70 - 130	30	
Dibromochloromethane	ND	0.50	79	103	26.4				70 - 130	30	
Dibromomethane	ND	1.0	77	103	28.9				70 - 130	30	
Dichlorodifluoromethane	ND	1.0	104	118	12.6				70 - 130	30	
Ethylbenzene	ND	1.0	82	100	19.8				70 - 130	30	
Hexachlorobutadiene	ND	0.40	87	96	9.8				70 - 130	30	
Isopropylbenzene	ND	1.0	80	96	18.2				70 - 130	30	
m&p-Xylene	ND	1.0	82	101	20.8				70 - 130	30	
Methyl ethyl ketone	ND	5.0	73	115	44.7				70 - 130	30	r
Methyl t-butyl ether (MTBE)	ND	1.0	85	126	38.9				70 - 130	30	r
Methylene chloride	ND	1.0	83	108	26.2				70 - 130	30	
Naphthalene	ND	1.0	71	100	33.9				70 - 130	30	r
n-Butylbenzene	ND	1.0	77	97	23.0				70 - 130	30	
n-Propylbenzene	ND	1.0	77	95	20.9				70 - 130	30	
o-Xylene	ND	1.0	82	102	21.7				70 - 130	30	
p-Isopropyltoluene	ND	1.0	78	97	21.7				70 - 130	30	
sec-Butylbenzene	ND	1.0	80	101	23.2				70 - 130	30	
Styrene	ND	1.0	81	102	23.0				70 - 130	30	
tert-Butylbenzene	ND	1.0	79	98	21.5				70 - 130	30	
Tetrachloroethene	ND	1.0	76	96	23.3				70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	70	107	41.8				70 - 130	30	r
Toluene	ND	1.0	82	102	21.7				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	87	108	21.5				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	72	97	29.6				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	66	95	36.0				70 - 130	30	l,r
Trichloroethene	ND	1.0	82	101	20.8				70 - 130	30	
Trichlorofluoromethane	ND	1.0	99	115	15.0				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	89	105	16.5				70 - 130	30	

QA/QC Data

SDG I.D.: GBX03107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	1.0	97	116	17.8				70 - 130	30
% 1,2-dichlorobenzene-d4	97	%	97	100	3.0				70 - 130	30
% Bromofluorobenzene	96	%	98	101	3.0				70 - 130	30
% Dibromofluoromethane	95	%	91	96	5.3				70 - 130	30
% Toluene-d8	99	%	101	100	1.0				70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
December 19, 2016

Monday, December 19, 2016

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBX03107 - CT-MALE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL

*** No Data to Display ***

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

December 19, 2016

SDG I.D.: GBX03107

The samples in this delivery group were received at 2°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp 3°C Pg of

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☒ Phone: 518-786-7400
☑ Email: aigates@ectmail.com

Customer: CT Male Associates
Address: 50 Century Hill Dr.
Latham, NY 12110

Project: Juncta Historic Site
Report to: Aimee Gates
Invoice to: Aimee Gates

Project P.O: 166648

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 12/8/16

Client Sample - Information - Identification

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs CP-51 8270	8 RCRA Metals	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03107	GP-3	GW	12/8/16	1015	X	X	X				3	2			1		
03108	GP-1			1230	X	X	X				3	2			1		
03109	GP-4			1320	X	X	X				3	2			1		
03110	GP-5			1350	X	X	X				3	2			1		
03111	GP-6			1430	X	X	X				3	2			1		
03112	GP-2	↓	↓	1430	X	X	X				3	2			1		
03113	Trip Blank				X						2						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/9/16	1346
[signature]	[signature]	12/9/16	3:10
[signature]	[signature]	12/9/16	17:00

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☐ Restricted/Residential
☐ Commercial
☐ Industrial

Data Format
☒ Phoenix Std Report
☒ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY