April 11, 2017

Phase II Environmental Site Assessment Southern Portion of the Juncta Historic Site 401 Saratoga Street City of Cohoes Albany County, New York

Prepared for:

COHOES INDUSTRIAL DEVELOPMENT AGENCY
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Prepared by:

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C.T. Male Project No: 16.6648

PHASE II
ENVIRONMENTAL SITE ASSESSMENT REPORT
SOUTHERN PORTION OF THE JUNCTA HISTORIC SITE

1.0 INTRODUCTION

This report presents the findings of a Phase II Environmental Site Assessment (ESA) conducted at the Southern Portion of 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 ESA prepared for the site by C.T. Male dated March 1, 2017. The Phase I ESA report noted the following Recognized Environmental Conditions (RECs) for the site:

- The historical industrial use of the site including as a machine shop and power house;
- The unknown source of fill used on site within two branches of the former Champlain Canal; and
- Soil and groundwater contamination identified on the adjoining property to the north.

A Phase II ESA was completed by C.T. Male on the Northern Portion of the Juncta Historic Site in December 2016 (report dated January 10, 2017). Six soil borings were completed as a function of the Phase II ESA for the North Portion of the Junction Historic Site. One of the soil borings (GP-2) was relocated due to refusal at the initial planned location of the boring. The boring was relocated to the south, and fell within the bounds of the Southern Portion of the Juncta Historic Site. As subjective evidence of petroleum contamination was identified during the completion of the Phase II ESA on the Northern Portion of the Juncta Historic Site, including at GP-2, the New York State Department of Environmental Conservation (NYSDEC) spill hotline was called and notified of these findings. Spill No. 1608645 was assigned. Upon review of the Limited Phase II ESA report for the Northern Portion of the Juncta Historic Site, the NYSDEC issued a closed status to the spill.

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

The 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-7 through GP-12) were completed to provide general assessment of the site's soil and groundwater conditions. The test borings were located as follows:

- GP-7 was advanced to the east side of the concrete pad on the southern portion of the site. This area formerly contained the machine shop and power house.
- GP-8 was advanced to the north of the concrete pad.
- GP-9 was advanced in the southern portion of the site in the area inferred to have been formerly occupied by a branch of the canal.
- GP-10 was advanced in the north-central portion of the site.
- GP-11 was completed on the northwestern portion of the site in an area inferred to have been formerly occupied by a branch of the canal.
- GP-12 was completed on the southwestern portion of the site in an area inferred to have been formerly occupied by a branch of the canal.

As previously noted, GP-2, was advanced as a function of the Limited Phase II ESA of the Northern Portion of the Juncta Historic Site and was located on the northeastern portion of the site in the location of the Old Champlain Canal Lock 2.

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 Monday, March 27, 2017 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 five (5) 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-7 from 7.5-10 feet below grade surface (bgs);
- GP-8 from 7.5-10 feet bgs;
- GP-9 from 7.5-10 feet bgs;
- GP-10 from 7.5-10 feet bgs;
- GP-11 from 7.5-10 feet bgs; and
- GP-12 from 7.5-10 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 Monday, March 27, 2017. 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-7 evidence of fill materials was noted from 2 to 5 feet bgs where brown fine sand with trace cinders and ash were encountered. Brown fine sand with some clay was encountered to 9 feet bgs. These soils were underlain by gray clay and silt to 15 feet bgs where the soil boring was terminated. The soils became wet at approximately 10 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-7.

At GP-8 evidence of fill materials were noted to a depth of 10 feet bgs. From grade to 5 feet bgs coarse gravel with some brown fine sand with traces of concrete, cinders and coal was encountered. From 5 to 10 feet bgs medium gravel and fine sand with trace cinders were encountered. From 10 to 15 feet bgs medium gravel with some brown fine sand and trace silt were encountered. The boring was terminated at 15 feet bgs. The soils became wet at 10 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-8.

At GP-9 fill materials were noted from 2 to 5 feet bgs and from 10 to 15 feet bgs. A one foot layer of coal and ash was noted from 1 to 2 feet bgs beneath a 1 foot layer of gravel. From 2 to 5 feet bgs clay and silt with some gravel and traces of ash and cinders were encountered. These soils were underlain by 3 feet of grey clay, silt and gravel. From 8 to 10 feet bgs clay and silt were encountered. Gravel with some brown silt and trace glass was encountered from 10 to 14 feet bgs. These soils were underlain by silt, clay and coal fragments to 15 feet bgs where the boring was

terminated. Soils became wet at approximately 7 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-9.

Sand, gravel and trace cinders were encountered in the upper 5 feet of GP-10. Evidence of fill materials continued to 7 feet bgs where some cinders and trace ash were encountered in the clay and silt which was encountered to 10 feet bgs. From 10 to 20 feet bgs the soils consisted primarily of mottled clay and silt with one foot layers of gravel with sand being encountered in the upper 5 feet of this stratum. The boring was terminated at 20 feet bgs. Soils became wet at approximately 10 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-10.

Sand and gravel were encountered in the upper 1.5 feet in GP-11. These soils were underlain by a 1.5 foot layer of clay with some silt. From 3 to 6.5 feet bgs the soils consisted of light brown sand. From 6.5 to 10 feet bgs the soils consisted of sand and gravel with some silt and from 10 to 13 feet bgs the soils consisted of gravel with some fine sand. These soils were underlain by gray clay and silt to the termination depth of the boring at 15 feet bgs. The soils became wet at approximately 10 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-11.

At GP-12 evidence of fill materials were noted from grade to 2 feet bgs where trace wood was encountered and from 6 to 10 feet bgs surface where trace porcelain fragments were encountered. Soils in the upper 6 feet of the boring consisted of sand and gravel. From 6 to 10 feet bgs the soils consisted of clay and silt. From 10 to 15 feet bgs sand and clay with some medium gravel were encountered and from 15 feet to 20 feet bgs gravel, sand and silt were encountered The boring was terminated at 20 feet bgs. The soils became wet at approximately 10 feet bgs. Odors or staining were not noted in the soil samples recovered from GP-12.

The subsurface exploration logs are included in Appendix B.

It is noted that the soils at GP-2 from 12 to 14 feet bgs consisting of black silt and wood exhibited a petrochemical type odor with staining during the completion of the Limited Phase II ESA of the Northern Portion of the Juncta Historic Site.

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 7 to 10 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 or odors were noted in the groundwater samples at the time of sampling. The direction of groundwater flow was not determined and is inferred to be from west to east across the site based on area topography.

It is noted that a slight to moderate petrochemical type odor was noted in the groundwater sample collected from GP-2 during the completion of the Limited Phase II ESA of the Northern Portion of the Juncta Historic Site.

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-7 and GP-12. Although acetone was noted at a concentration slightly exceeding its NYSDEC CP-51 Unrestricted Use soil cleanup objective (SCO) at GP-12, the laboratory flagged this as a laboratory solvent where contamination was possible (laboratory artifact) for both soil samples.

SVOCs were not detected above the laboratory method detection limit in the soil samples.

Up to six of the eight RCRA metals (arsenic, barium, cadmium, chromium, lead and mercury) were detected in the soil samples. At GP-8, arsenic and barium exceeded their respective Unrestricted Use SCOs. The concentrations of metals were otherwise detected below 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-7 (7.5-10)	GP-8 (7.5-10)	GP-9 (7.5-10)	GP-10 (7.5-10)	GP-11 (7.5-10)	GP-12 (7.5-10)	
8 RCRA Metals							
Arsenic	3.48	**25.5**	8.27	5.35	6.53	4.54	13
Barium	92.6	**540**	161	87.1	50.4	87.5	350
Cadmium	ND	0.53	0.49	ND	0.38	ND	2.5
Chromium	18.4	14.7	28.2	20.0	14.3	17.4	30
Lead	11.7	24.9	21.8	9.35	9.5	41.2	63
Mercury	ND	0.07	0.04	0.04	0.03	0.08	0.18
Volatile Organic Compounds by EPA Method 8260							
Acetone	0.032	ND	ND	ND	ND	**0.086**	0.05

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.

It is noted from the Limited Phase II ESA of the Northern Portion of the Juncta Historic Site that six metals were detected in the soil sample collected from GP-2 with only chromium exceeding its respective SCO. Chromium only slightly exceeded its SCO at a concentration of 32.8 ppm as compared to the SCO of 30 ppm. Nine SVOCs were detected in the soil sample collected from GP-2; however, the SVOCs were not detected at concentrations exceeding their respective SCOs. VOCs were not detected above the laboratory method detection limit in the sample collected from GP-2.

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 with the exception of chloromethane which was detected at GP-9 and GP-12. There is no groundwater standard for chloromethane. SVOCs 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 most instances, the concentrations of the metals exceeded their respective groundwater standards.

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-7	GP-8	GP-9	GP-10	GP-11	GP-12	
8 RCRA Metals							
Arsenic	**858**	**1,500**	**395**	**281**	**345**	15	25
Barium	**25,700**	**17,200**	**7,910**	**5,030**	**2,630**	585	1,000
Cadmium	**124**	**79**	**43**	**20**	**17**	ND	5
Chromium	**3,590**	**1,890**	**956**	**1,650**	**433**	43	50
Lead	**4,050**	**3,860**	**6,630**	**3,520**	**504**	**60**	25
Mercury	ND	ND	0.3	**1.9**	**0.9**	ND	0.7
Volatile Organic Compounds by EPA Method 8260 (ug/l):							
Chloromethane	ND	ND	1.8	ND	ND	35*	NS

Notes:
ug/l denotes microgram per liter or parts per billion
Bold/shaded values denote exceedence of groundwater standard or guidance value.
NS=No Standard
ND=Not detected above the laboratory method detection limit
*Estimated value. Sample result was above the calibration range. Subsequent dilution did not correlate well with original analysis results. The higher result was reported.
(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.

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

It is noted from the Limited Phase II ESA of the Northern Portion of the Juncta Historic Site that six metals were detected in the groundwater sample collected from GP-2 with each exceeding their respective groundwater standard. Additionally, nine SVOCs were detected in the groundwater sample collected from GP-2, with five of the SVOCs exceeding their respective groundwater standards or guidance values.

VOCs were not detected above the laboratory method detection limit in the sample collected from GP-2.

It is noted that for the groundwater samples collected from GP-2 as well as GP-7 through GP-12, that the water samples were turbid (sediment suspended in the groundwater). As such, the elevated concentrations of metals in groundwater may be attributed to the suspended solids present in the groundwater.

5.0 CONCLUSIONS

Phase II ESA 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. It is noted that during a previous assessment of the property adjoining the site to the north, that one soil boring, identified as GP-2, was installed on the northeastern portion of the subject site.

The soils within the site to the depths explored consisted of sand, gravel, silt and clay. Fill materials (as evidenced by the presence of coal, ash, cinders, glass, brick, wood, concrete and porcelain) were noted in each the borings with the exception of GP-11 at depths up to 15 feet below grade. Petro-chemical type odors and/or staining were not noted during the field activities, though it is noted that black stained silt and wood from GP-2 was encountered from approximately 11 to 12 feet bgs. On the basis of the subjective evidence of contamination identified at GP-2 and two other borings that did not fall within the bounds of the subject site, the NYSDEC spill hotline was called and notified of these findings. Spill No. 1608645 was assigned to the Northern Portion of the Juncta Historic Site. Upon review of the Limited Phase II ESA report for the Northern Portion of the Juncta Historic Site, the NYSDEC issued a closed status to the spill. The spill closure letter is included as Appendix F.

VOCs were not detected above the laboratory method detection limit in the soil samples with the exception of acetone in the samples collected from GP-7 and GP-12.

The laboratory flagged this as a laboratory solvent where contamination was possible (laboratory artifact) for both soil samples.

SVOCs were not detected above the laboratory method detection limit in the soil samples.

Up to six of the eight RCRA metals (arsenic, barium, cadmium, chromium, lead and mercury) were detected in the soil samples. At GP-8, arsenic and barium exceeded their respective Unrestricted Use SCOs. The concentrations of metals were otherwise detected below their respective SCOs.

It is noted from the Limited Phase II ESA of the Northern Portion of the Juncta Historic Site that six metals were detected in the soil sample collected from GP-2 with only chromium exceeding its respective SCO. Chromium only slightly exceeded its SCO at a concentration of 32.8 ppm as compared to the SCO of 30 ppm. Nine SVOCs were detected in the soil sample collected from GP-2; however, the SVOCs were not detected at concentrations exceeding their respective SCOs. VOCs were not detected above the laboratory method detection limit in the sample collected from GP-2.

VOCs were not detected above the laboratory method detection limit in the groundwater samples with the exception of chloromethane which was detected at GP-9 and GP-12. There is no groundwater standard for chloromethane. SVOCs 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 most instances, the concentrations of the metals exceeded their respective groundwater standards. As previously noted, the elevated concentrations of metals in groundwater may be related to suspended solids present in the groundwater samples.

It is noted from the Limited Phase II ESA of the Northern Portion of the Juncta Historic Site that six metals were detected in the groundwater sample collected from GP-2 with each exceeding its respective groundwater standard. Additionally, nine SVOCs were detected in the groundwater sample collected from GP-2, with five of the SVOCs exceeding their respective groundwater standards or guidance values. VOCs were not detected above the laboratory method detection limit in the sample collected from GP-2.

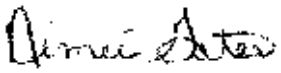
6.0 RECOMMENDATIONS

Consideration of soil and fill materials will be necessary for future development activities as fill materials exist within the site which contains elevated levels of metals. If excess soil and/or fill materials are generated during development activities, these materials will need to be disposed of at an approved facility. Additionally, consideration will be necessary for groundwater as groundwater at the site contains elevated levels of both metals, as well as SVOCs on the northeastern portion of the site. If dewatering activities during construction activities are necessary, groundwater may be required to be treated prior to discharge, (with approval from the local publicly owned treatment works facility) or may need to be removed from the site for proper disposal. 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 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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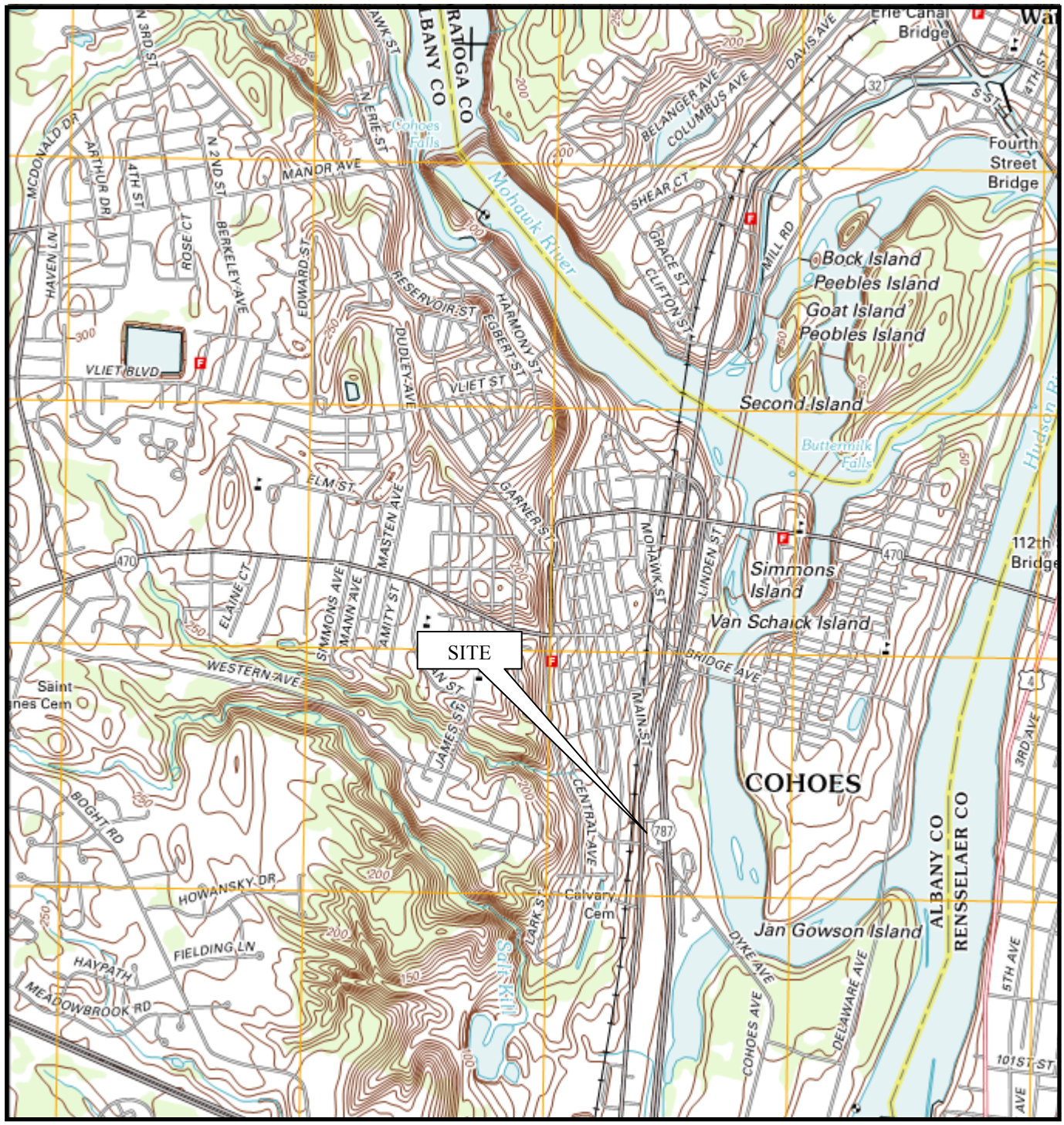
APPENDIX A

Figures/Maps



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

N

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:

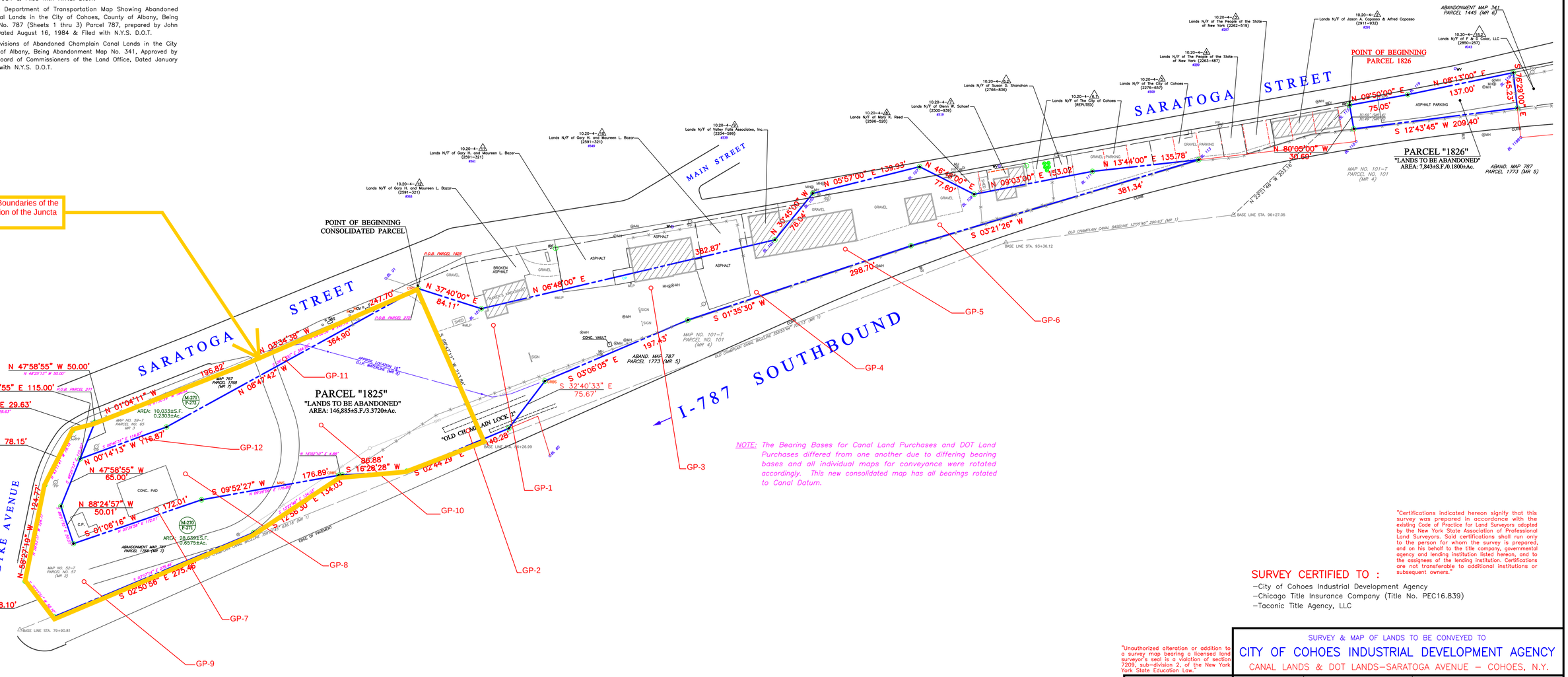
1. Map of a Portion of Champlain Canal Lands Belonging to the State, Made Pursuant to Chapter 199, Laws of 1910. and Amendatory Laws, Being sheets 3 & 4. Examined and Approved April 24, 1925 By Frank R. Lanagan, Deputy State Engineer & Filed with the NYS Canal Corporation.
2. New York State Department 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.

The locations and features depicted on this map are approximate and do not represent an actual survey.

"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 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.
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(16–103)

APPENDIX B

Subsurface Exploration Logs

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-7**		
ELEV.:		**DATUM:**	
START DATE:	**3/27/2017**	**FINISH DATE:**	**3/27/2017**
SHEET	**1 of 1**		

PROJECT:	Southern Portion of the Juncta Historic Site	CTM PROJECT NO.:	16.6648
LOCATION:	Cohoes, New York	CTM OBSERVER:	BAW

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1	2.8	Coarse gray GRAVEL, Some gray fine Sand	(damp)
2				Brown fine SAND, trace cinders and ash	(damp)
4		2			
6		3	3.5	Brown fine SAND, Some brown Clay	(damp)
8					
		4			
10				Gray CLAY and SILT	(wet @ ± 10' bgs)
		5	3.8		
12					
14		6			
16				End of Boring ±15' 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:
BAW

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-8
ELEV.: **DATUM:**
START DATE: 3/27/2017 **FINISH DATE:** 3/27/2017
SHEET 1 of 1

PROJECT: Southern Portion of the Juncta Historic Site CTM PROJECT NO.: 16.6648
LOCATION: Cohoes, New York CTM OBSERVER: BAW

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	2.8	Brown coarse GRAVEL, Some brown fine Sand, trace concrete, cinders and coal fragments	(damp)
4		2			
6		3	0.5	Brown medium GRAVEL and brown fine SAND, trace cinders	(damp)
8					
10					
12		4	3.0	Brown medium GRAVEL, Some brown fine Sand, trace silt	(wet @ ± 10' bgs)
14		5			
16				End of Boring ±15' 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:
BAW

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-9**		
ELEV.:		**DATUM:**	
START DATE:	**3/27/2017**	**FINISH DATE:**	**3/27/2017**
SHEET	**1 of 1**		

PROJECT:	Southern Portion of the Juncta Historic Site	CTM PROJECT NO.:	16.6648
LOCATION:	Cohoes, New York	CTM OBSERVER:	BAW

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1	2.5	Grey coarse GRAVEL, Some gray Silt	(damp)
2				FILL: COAL fragments and ASH	(damp)
				Gray CLAY and SILT, Some medium Gravel, trace ash and	(damp)
4		2		cinders	
6		3	2.5	Gray CLAY, SILT and fine GRAVEL	(damp)
8					(wet @ ± 7' bgs)
		4		Brown and gray CLAY and SILT	
10					
		5	1	Brown medium GRAVEL, Some brown Silt, trace glass	(wet)
12					
14		6			
				Dark Brown SILT, CLAY & COAL fragments	(wet)
16				End of Boring ±15' 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:
BAW

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-10**		
ELEV.:		**DATUM:**	
START DATE:	**3/27/2017**	**FINISH DATE:**	**3/27/2017**
SHEET	**1 of 2**		

PROJECT:	Southern Portion of the Juncta Historic Site	CTM PROJECT NO.:	16.6648
LOCATION:	Cohoes, New York	CTM OBSERVER:	BAW

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1	2.5	Dark brown SAND, Some medium Gravel, trace cinders	(damp)
2					
				Dark brown fine SAND and GRAVEL, trace cinders	
4		2			(damp)
		3	4.2	Gray CLAY and SILT, Some Cinder, trace ash	(damp)
6					
8				Gray and brown mottled CLAY and SILT	(damp)
		4			
10					
		5	3	Medium gray GRAVEL, Some brown fine Sand	(wet @ ± 10' bgs)
12					
				Gray and brown mottled CLAY and SILT, Some brown fine Sand	(wet)
14		6		Medium GRAVEL, Some brown fine Sand	(wet)
				Gray and brown mottled CLAY and SILT	(wet)
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:
BAW

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-10**		
ELEV.:		**DATUM:**	
START DATE:	**3/27/2017**	**FINISH DATE:**	**3/27/2017**
SHEET	**2 of 2**		

PROJECT:	Southern Portion of the Juncta Historic Site	CTM PROJECT NO.:	16.6648
LOCATION:	Cohoes, New York	CTM OBSERVER:	BAW

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		7	3.5	Gray and brown mottled CLAY and SILT	(wet)
20		8			
				End of Boring ± 20' bgs	
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:
BAW

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-11**		
ELEV.:		**DATUM:**	
START DATE:	**3/27/2017**	**FINISH DATE:**	**3/27/2017**
SHEET	**1 of 1**		

PROJECT:	Southern Portion of the Juncta Historic Site	CTM PROJECT NO.:	16.6648
LOCATION:	Cohoes, New York	CTM OBSERVER:	BAW

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1	3.5	Brown fine to medium SAND, Some medium Gravel	(damp)
2					
				Gray CLAY, Some SILT	(damp)
4		2		Light brown fine SAND	(damp)
6		3	2.8		
8				Brown fine to medium SAND and GRAVEL, Some Silt	(damp)
10					
		4	3.6	Brown medium GRAVEL, Some brown fine Sand	(wet @ ± 10' bgs)
12					
14		5		Gray CLAY and SILT	
16				End of Boring ±15' 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:
BAW

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-12**		
ELEV.:		**DATUM:**	
START DATE:	**3/27/2017**	**FINISH DATE:**	**3/27/2017**
SHEET	**1 of 2**		

PROJECT:	Southern Portion of the Juncta Historic Site	CTM PROJECT NO.:	16.6648
LOCATION:	Cohoes, New York	CTM OBSERVER:	BAW

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	3.2	Brown coarse GRAVEL, Some brown fine Sand, trace wood	(damp)
4		2		Brown fine SAND, trace fine gravel	(damp)
6		3	3.5		
8				Gray CLAY and SILT, Some fine gravel, trace porcelain fragments	(damp)
10		4			
12		5	4	Brown fine SAND and CLAY, Some medium Gravel	(wet @ ± 10' bgs)
14		6			
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:
BAW

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-12**		
ELEV.:		**DATUM:**	
START DATE:	**3/27/2017**	**FINISH DATE:**	**3/27/2017**
SHEET	**2 of 2**		

PROJECT:	Southern Portion of the Juncta Historic Site	CTM PROJECT NO.:	16.6648
LOCATION:	Cohoes, New York	CTM OBSERVER:	BAW

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		7	4.8	Brown medium GRAVEL, Some brown fine Sand and Silt	(wet)
20		8			
				End of Boring ±20' bgs	
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:
BAW

APPENDIX C

Organic Vapor Headspace Analysis Logs

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: Southern Portion of Juncta Historic Site		**PROJECT #:** 16.6648	**PAGE 1 OF 2**
CLIENT: City of Cohoes			**DATE**
LOCATION: Cohoes, NY			**COLLECTED: 3/27/17**
INSTRUMENT USED: MiniRae 3000	**LAMP** 10.6 eV		**DATE**
DATE INSTRUMENT CALIBRATED: 3/27/17	**BY:** BW		**ANALYZED:**
TEMPERATURE OF SOIL: Ambient			**ANALYST: 3/27/17**

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-11	1	0-2.5	Soil	0.1	0.0	NONS
GP-11	2	2.5-5	Soil	0.2	0.1	NONS
GP-11	3	5-7.5	Soil	0.9	0.0	NONS
GP-11	4	7.5-10	Soil	0.1	0.0	NONS
GP-11	5	10-12.5	Soil	0.1	0.0	NONS
GP-11	6	12.5-15	Soil	0.2	0.0	NONS
GP-10	1	0-2.5	Soil	0.1	0.0	NONS
GP-10	2	2.5-5	Soil	0.7	0.0	NONS
GP-10	3	5-7.5	Soil	0.9	0.0	NONS
GP-10	4	7.5-10	Soil	0.3	0.0	NONS
GP-10	5	10-12.5	Soil	0.4	0.0	NONS
GP-10	6	12.5-15	Soil	0.6	0.0	NONS
GP-10	7	15-17.5	Soil	0.4	0.0	NONS
GP-10	8	17.5-20	Soil	0.1	0.0	NONS
GP-12	1	0-2.5	Soil	0.1	0.0	NONS
GP-12	2	2.5-5	Soil	0.2	0.0	NONS
GP-12	3	5-7.5	Soil	0.1	0.0	NONS
GP-12	4	7.5-10	Soil	0.1	0.0	NONS
GP-12	5	10-12.5	Soil	0.1	0.0	NONS
GP-12	6	12.5-15	Soil	0.0	0.0	NONS
GP-12	7	15-17.5	Soil	0.1	0	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: Southern Portion of Juncta Historic Site		**PROJECT #:** 16.6648	**PAGE 2 OF 2**
CLIENT: City of Cohoes			**DATE**
LOCATION: Cohoes, NY			**COLLECTED: 3/27/17**
INSTRUMENT USED: MiniRae 3000	**LAMP** 10.6 eV		**DATE**
DATE INSTRUMENT CALIBRATED: 3/27/17	**BY:** BW		**ANALYZED:**
TEMPERATURE OF SOIL: Ambient			**ANALYST: 3/27/17**

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-12	8	17.5-20	Soil	0.2	0.0	NONS
GP-7	1	0-2.5	Soil	0.1	0.1	NONS
GP-7	2	2.5-5	Soil	0.2	0.0	NONS
GP-7	3	5-7.5	Soil	0	0.0	NONS
GP-7	4	7.5-10	Soil	0.2	0.0	NONS
GP-7	5	10-12.5	Soil	0.3	0.0	NONS
GP-7	6	12.5-15	Soil	0.1	0.0	NONS
GP-8	1	0-2.5	Soil	0.3	0.0	NONS
GP-8	2	2.5-5	Soil	0.2	0.0	NONS
GP-8	3	5-10	Soil	0.1	0.0	NONS
GP-8	4	10-12.5	Soil	0.1	0.0	NONS
GP-8	5	12.5-15	Soil	0.1	0.0	NONS
GP-9	1	0-2.5	Soil	0.1	0.0	NONS
GP-9	2	2.5-5	Soil	0.2	0.0	NONS
GP-9	3	5-7.5	Soil	0.3	0.0	NONS
GP-9	4	7.5-10	Soil	0.2	0.0	NONS
GP-9	5	10-12.5	Soil	0.1	0.0	NONS
GP-9	6	12.5-15	Soil	0.5	0.0	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

APPENDIX D

Laboratory Analysis Report for Soil

PHOENIX
Environmental Laboratories, Inc.

Friday, March 31, 2017

Attn:
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Project ID: 16-6648 JUNATA SOUTHERN
Sample ID#s: BX95338 - BX95343

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

March 31, 2017

FOR: Attn:
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/27/17	11:00
Location Code:	CT-MALE	Received by:	SW	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95338
Phoenix ID: BX95338

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP11 (7.5-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	6.53	0.70	mg/Kg	1	03/29/17	LK	SW6010C
Barium	50.4	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Cadmium	0.38	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Chromium	14.3	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Lead	9.50	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Mercury	0.03	0.03	mg/Kg	1	03/29/17	RS	SW7471B
Selenium	< 1.4	1.4	mg/Kg	1	03/29/17	LK	SW6010C
Silver	< 0.35	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Percent Solid	91		%		03/28/17	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				03/28/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				03/29/17	W/W	SW7471B
Total Metals Digest	Completed				03/28/17	N/AG	SW3050B
Field Extraction	Completed				03/27/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloroethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloroethene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloropropene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
1,2-Dibromoethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP11 (7.5-10)

Phoenix I.D.: BX95338

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Chlorotoluene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Hexanone	ND	0.016	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.016	mg/Kg	1	03/29/17	JLI	SW8260C	
Acetone	ND	0.016	mg/Kg	1	03/29/17	JLI	SW8260C	
Acrylonitrile	ND	0.0066	mg/Kg	1	03/29/17	JLI	SW8260C	
Benzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromobenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromochloromethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromodichloromethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromoform	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromomethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Carbon Disulfide	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Carbon tetrachloride	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Chlorobenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloroethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloroform	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloromethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Dibromochloromethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Dibromomethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Ethylbenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Isopropylbenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
m&p-Xylene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.016	mg/Kg	1	03/29/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0066	mg/Kg	1	03/29/17	JLI	SW8260C	
Methylene chloride	ND	0.0066	mg/Kg	1	03/29/17	JLI	SW8260C	
Naphthalene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
n-Butylbenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
n-Propylbenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
o-Xylene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
sec-Butylbenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Styrene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
tert-Butylbenzene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Tetrachloroethene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0066	mg/Kg	1	03/29/17	JLI	SW8260C	1

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP11 (7.5-10)

Phoenix I.D.: BX95338

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
Total Xylenes	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0066	mg/Kg	1	03/29/17	JLI	SW8260C
Trichloroethene	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
Trichlorofluoromethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
Vinyl chloride	ND	0.0033	mg/Kg	1	03/29/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/29/17	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	03/29/17	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	03/29/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	03/29/17	JLI	70 - 130 %
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Chrysene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	03/29/17	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	78		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	82		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	79		%	1	03/29/17	DD	30 - 130 %

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP11 (7.5-10)

Phoenix I.D.: BX95338

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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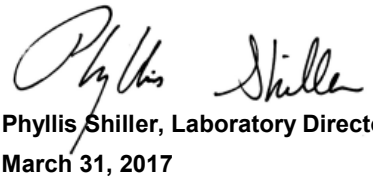

Phyllis Shiller, Laboratory Director
March 31, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 31, 2017

FOR: Attn:
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/27/17	12:00
Location Code:	CT-MALE	Received by:	SW	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95338
Phoenix ID: BX95339

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP10 (7.5-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.35	0.71	mg/Kg	1	03/29/17	LK	SW6010C
Barium	87.1	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Chromium	20.0	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Lead	9.35	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Mercury	0.04	0.03	mg/Kg	1	03/29/17	RS	SW7471B
Selenium	< 1.4	1.4	mg/Kg	1	03/29/17	LK	SW6010C
Silver	< 0.35	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Percent Solid	83		%		03/28/17	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				03/28/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				03/29/17	W/W	SW7471B
Total Metals Digest	Completed				03/28/17	N/AG	SW3050B
Field Extraction	Completed				03/27/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloroethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloroethene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloropropene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
1,2-Dibromoethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP10 (7.5-10)

Phoenix I.D.: BX95339

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Chlorotoluene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Hexanone	ND	0.023	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.023	mg/Kg	1	03/29/17	JLI	SW8260C	
Acetone	ND	0.023	mg/Kg	1	03/29/17	JLI	SW8260C	
Acrylonitrile	ND	0.0093	mg/Kg	1	03/29/17	JLI	SW8260C	
Benzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromobenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromochloromethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromodichloromethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromoform	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromomethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Carbon Disulfide	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Carbon tetrachloride	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Chlorobenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloroethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloroform	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloromethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Dibromochloromethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Dibromomethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Ethylbenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Isopropylbenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
m&p-Xylene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.023	mg/Kg	1	03/29/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0093	mg/Kg	1	03/29/17	JLI	SW8260C	
Methylene chloride	ND	0.0093	mg/Kg	1	03/29/17	JLI	SW8260C	
Naphthalene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
n-Butylbenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
n-Propylbenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
o-Xylene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
sec-Butylbenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Styrene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
tert-Butylbenzene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Tetrachloroethene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0093	mg/Kg	1	03/29/17	JLI	SW8260C	1

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP10 (7.5-10)

Phoenix I.D.: BX95339

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
Total Xylenes	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0093	mg/Kg	1	03/29/17	JLI	SW8260C
Trichloroethene	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
Trichlorofluoromethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
Vinyl chloride	ND	0.0046	mg/Kg	1	03/29/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	93		%	1	03/29/17	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	03/29/17	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	03/29/17	JLI	70 - 130 %
% Toluene-d8	88		%	1	03/29/17	JLI	70 - 130 %
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Acenaphthylene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Anthracene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benz(a)anthracene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(a)pyrene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(b)fluoranthene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(ghi)perylene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(k)fluoranthene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Chrysene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Fluoranthene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Fluorene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Naphthalene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Phenanthrene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Pyrene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	63		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	65		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	55		%	1	03/29/17	DD	30 - 130 %

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP10 (7.5-10)

Phoenix I.D.: BX95339

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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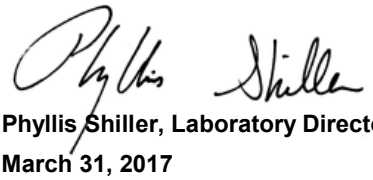

Phyllis Shiller, Laboratory Director

March 31, 2017

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

March 31, 2017

FOR: Attn:
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/27/17	13:00
Location Code:	CT-MALE	Received by:	SW	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95338
Phoenix ID: BX95340

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP12 (7.5-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.54	0.86	mg/Kg	1	03/29/17	LK	SW6010C
Barium	87.5	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Cadmium	< 0.43	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Chromium	17.4	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Lead	41.2	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Mercury	0.08	0.04	mg/Kg	1	03/29/17	RS	SW7471B
Selenium	< 1.7	1.7	mg/Kg	1	03/29/17	LK	SW6010C
Silver	< 0.43	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Percent Solid	70		%		03/28/17	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				03/28/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				03/29/17	W/W	SW7471B
Total Metals Digest	Completed				03/28/17	N/AG	SW3050B
Field Extraction	Completed				03/27/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,1-Dichloroethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,1-Dichloroethene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,1-Dichloropropene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
1,2-Dibromoethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP12 (7.5-10)

Phoenix I.D.: BX95340

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
2-Chlorotoluene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
2-Hexanone	ND	0.03	mg/Kg	1	03/30/17	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.03	mg/Kg	1	03/30/17	JLI	SW8260C	
Acetone	0.086	S 0.03	mg/Kg	1	03/30/17	JLI	SW8260C	
Acrylonitrile	ND	0.012	mg/Kg	1	03/30/17	JLI	SW8260C	
Benzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromobenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromochloromethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromodichloromethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromoform	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromomethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Carbon Disulfide	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Carbon tetrachloride	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Chlorobenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Chloroethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Chloroform	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Chloromethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Dibromochloromethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Dibromomethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Ethylbenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Isopropylbenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
m&p-Xylene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.03	mg/Kg	1	03/30/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	03/30/17	JLI	SW8260C	
Methylene chloride	ND	0.012	mg/Kg	1	03/30/17	JLI	SW8260C	
Naphthalene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
n-Butylbenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
n-Propylbenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
o-Xylene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
sec-Butylbenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Styrene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
tert-Butylbenzene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Tetrachloroethene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	03/30/17	JLI	SW8260C	1

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP12 (7.5-10)

Phoenix I.D.: BX95340

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
Total Xylenes	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	1	03/30/17	JLI	SW8260C
Trichloroethene	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
Trichlorofluoromethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
Vinyl chloride	ND	0.0061	mg/Kg	1	03/30/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	1	03/30/17	JLI	70 - 130 %
% Bromofluorobenzene	81		%	1	03/30/17	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	03/30/17	JLI	70 - 130 %
% Toluene-d8	95		%	1	03/30/17	JLI	70 - 130 %
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Acenaphthylene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Anthracene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Benz(a)anthracene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(a)pyrene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(b)fluoranthene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(ghi)perylene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(k)fluoranthene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Chrysene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Fluoranthene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Fluorene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Naphthalene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Phenanthrene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
Pyrene	ND	0.33	mg/Kg	1	03/29/17	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	76		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	57		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	67		%	1	03/29/17	DD	30 - 130 %

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP12 (7.5-10)

Phoenix I.D.: BX95340

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.
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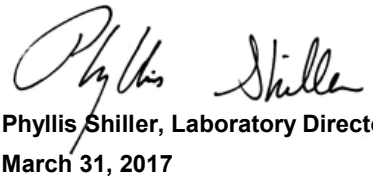

Phyllis Shiller, Laboratory Director
March 31, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 31, 2017

FOR: Attn:
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/27/17	13:30
Location Code:	CT-MALE	Received by:	SW	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95338
Phoenix ID: BX95341

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP7 (7.5-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.48	0.69	mg/Kg	1	03/29/17	LK	SW6010C
Barium	92.6	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Chromium	18.4	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Lead	11.7	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	03/29/17	RS	SW7471B
Selenium	< 1.4	1.4	mg/Kg	1	03/29/17	LK	SW6010C
Silver	< 0.35	0.35	mg/Kg	1	03/29/17	LK	SW6010C
Percent Solid	85		%		03/28/17	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				03/28/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				03/29/17	W/W	SW7471B
Total Metals Digest	Completed				03/28/17	N/AG	SW3050B
Field Extraction	Completed				03/27/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloroethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloroethene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloropropene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
1,2-Dibromoethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP7 (7.5-10)

Phoenix I.D.: BX95341

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
1,2-Dichloroethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
1,2-Dichloropropane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3-Dichloropropane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
2,2-Dichloropropane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Chlorotoluene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Hexanone	ND	0.02	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Isopropyltoluene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	1
4-Chlorotoluene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.02	mg/Kg	1	03/29/17	JLI	SW8260C	
Acetone	0.032	S 0.02	mg/Kg	1	03/29/17	JLI	SW8260C	
Acrylonitrile	ND	0.008	mg/Kg	1	03/29/17	JLI	SW8260C	
Benzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromobenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromochloromethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromodichloromethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromoform	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromomethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Carbon Disulfide	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Carbon tetrachloride	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Chlorobenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloroethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloroform	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloromethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Dibromochloromethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Dibromomethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Ethylbenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Hexachlorobutadiene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Isopropylbenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
m&p-Xylene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.02	mg/Kg	1	03/29/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.008	mg/Kg	1	03/29/17	JLI	SW8260C	
Methylene chloride	ND	0.008	mg/Kg	1	03/29/17	JLI	SW8260C	
Naphthalene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
n-Butylbenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
n-Propylbenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
o-Xylene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
p-Isopropyltoluene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
sec-Butylbenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Styrene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
tert-Butylbenzene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Tetrachloroethene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.008	mg/Kg	1	03/29/17	JLI	SW8260C	1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
Total Xylenes	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.008	mg/Kg	1	03/29/17	JLI	SW8260C
Trichloroethene	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
Trichlorofluoromethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
Vinyl chloride	ND	0.004	mg/Kg	1	03/29/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	92		%	1	03/29/17	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	03/29/17	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	03/29/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	03/29/17	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Acenaphthylene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Anthracene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benz(a)anthracene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(a)pyrene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(b)fluoranthene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(ghi)perylene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(k)fluoranthene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Chrysene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Fluoranthene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Fluorene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Naphthalene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Phenanthrene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
Pyrene	ND	0.27	mg/Kg	1	03/29/17	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	69		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	53		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	66		%	1	03/29/17	DD	30 - 130 %

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP7 (7.5-10)

Phoenix I.D.: BX95341

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
March 31, 2017
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

March 31, 2017

FOR: Attn:
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/27/17	14:30
Location Code:	CT-MALE	Received by:	SW	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95338
Phoenix ID: BX95342

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP8 (2.5-5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	25.5	0.87	mg/Kg	1	03/29/17	LK	SW6010C
Barium	540	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Cadmium	0.53	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Chromium	14.7	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Lead	24.9	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Mercury	0.07	0.03	mg/Kg	1	03/29/17	RS	SW7471B
Selenium	< 1.7	1.7	mg/Kg	1	03/29/17	LK	SW6010C
Silver	< 0.43	0.43	mg/Kg	1	03/29/17	LK	SW6010C
Percent Solid	80		%		03/28/17	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				03/28/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				03/29/17	W/W	SW7471B
Total Metals Digest	Completed				03/28/17	N/AG	SW3050B
Field Extraction	Completed				03/27/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloroethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloroethene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,1-Dichloropropene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
1,2-Dibromoethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP8 (2.5-5)

Phoenix I.D.: BX95342

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Chlorotoluene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Hexanone	ND	0.023	mg/Kg	1	03/29/17	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.023	mg/Kg	1	03/29/17	JLI	SW8260C	
Acetone	ND	0.023	mg/Kg	1	03/29/17	JLI	SW8260C	
Acrylonitrile	ND	0.009	mg/Kg	1	03/29/17	JLI	SW8260C	
Benzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromobenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromochloromethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromodichloromethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromoform	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Bromomethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Carbon Disulfide	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Carbon tetrachloride	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Chlorobenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloroethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloroform	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Chloromethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Dibromochloromethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Dibromomethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Ethylbenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Isopropylbenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
m&p-Xylene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.023	mg/Kg	1	03/29/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.009	mg/Kg	1	03/29/17	JLI	SW8260C	
Methylene chloride	ND	0.009	mg/Kg	1	03/29/17	JLI	SW8260C	
Naphthalene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
n-Butylbenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
n-Propylbenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
o-Xylene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
sec-Butylbenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Styrene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
tert-Butylbenzene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Tetrachloroethene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.009	mg/Kg	1	03/29/17	JLI	SW8260C	1

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP8 (2.5-5)

Phoenix I.D.: BX95342

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
Total Xylenes	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.009	mg/Kg	1	03/29/17	JLI	SW8260C
Trichloroethene	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
Trichlorofluoromethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
Vinyl chloride	ND	0.0045	mg/Kg	1	03/29/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	03/29/17	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	03/29/17	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	03/29/17	JLI	70 - 130 %
% Toluene-d8	88		%	1	03/29/17	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Acenaphthylene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Anthracene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benz(a)anthracene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(a)pyrene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(b)fluoranthene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(ghi)perylene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(k)fluoranthene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Chrysene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Fluoranthene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Fluorene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Naphthalene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Phenanthrene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Pyrene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	74		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	57		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	64		%	1	03/29/17	DD	30 - 130 %

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP8 (2.5-5)

Phoenix I.D.: BX95342

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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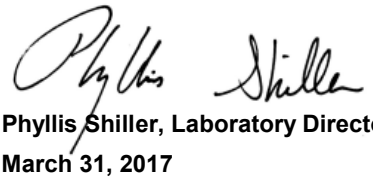

Phyllis Shiller, Laboratory Director
March 31, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 31, 2017

FOR: Attn:
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/27/17	15:30
Location Code:	CT-MALE	Received by:	SW	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95338
Phoenix ID: BX95343

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP9 (7.5-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	8.27	0.75	mg/Kg	1	03/29/17	LK	SW6010C
Barium	161	0.38	mg/Kg	1	03/29/17	LK	SW6010C
Cadmium	0.49	0.38	mg/Kg	1	03/29/17	LK	SW6010C
Chromium	28.2	0.38	mg/Kg	1	03/29/17	LK	SW6010C
Lead	21.8	0.38	mg/Kg	1	03/29/17	LK	SW6010C
Mercury	0.04	0.03	mg/Kg	1	03/29/17	RS	SW7471B
Selenium	< 1.5	1.5	mg/Kg	1	03/29/17	LK	SW6010C
Silver	< 0.38	0.38	mg/Kg	1	03/29/17	LK	SW6010C
Percent Solid	79		%		03/28/17	Q	SW846-%Solid
Soil Extraction SVOA PAH	Completed				03/28/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				03/29/17	W/W	SW7471B
Total Metals Digest	Completed				03/28/17	N/AG	SW3050B
Field Extraction	Completed				03/27/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,1-Dichloroethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,1-Dichloroethene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,1-Dichloropropene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
1,2-Dibromoethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP9 (7.5-10)

Phoenix I.D.: BX95343

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichlorobenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
2-Chlorotoluene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
2-Hexanone	ND	0.022	mg/Kg	1	03/30/17	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.022	mg/Kg	1	03/30/17	JLI	SW8260C	
Acetone	ND	0.022	mg/Kg	1	03/30/17	JLI	SW8260C	
Acrylonitrile	ND	0.0089	mg/Kg	1	03/30/17	JLI	SW8260C	
Benzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromobenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromochloromethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromodichloromethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromoform	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Bromomethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Carbon Disulfide	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Carbon tetrachloride	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Chlorobenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Chloroethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Chloroform	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Chloromethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Dibromochloromethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Dibromomethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Ethylbenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Isopropylbenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
m&p-Xylene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.022	mg/Kg	1	03/30/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0089	mg/Kg	1	03/30/17	JLI	SW8260C	
Methylene chloride	ND	0.0089	mg/Kg	1	03/30/17	JLI	SW8260C	
Naphthalene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
n-Butylbenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
n-Propylbenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
o-Xylene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
sec-Butylbenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Styrene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
tert-Butylbenzene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Tetrachloroethene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0089	mg/Kg	1	03/30/17	JLI	SW8260C	1

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP9 (7.5-10)

Phoenix I.D.: BX95343

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
Total Xylenes	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0089	mg/Kg	1	03/30/17	JLI	SW8260C
Trichloroethene	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
Trichlorofluoromethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
Vinyl chloride	ND	0.0044	mg/Kg	1	03/30/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	03/30/17	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	03/30/17	JLI	70 - 130 %
% Dibromofluoromethane	106		%	1	03/30/17	JLI	70 - 130 %
% Toluene-d8	98		%	1	03/30/17	JLI	70 - 130 %

Semivolatiles-STARS/CP-51

Acenaphthene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Acenaphthylene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Anthracene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benz(a)anthracene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(a)pyrene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(b)fluoranthene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(ghi)perylene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Benzo(k)fluoranthene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Chrysene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Fluoranthene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Fluorene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Naphthalene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Phenanthrene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
Pyrene	ND	0.29	mg/Kg	1	03/29/17	DD	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	85		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	68		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	76		%	1	03/29/17	DD	30 - 130 %

Project ID: 16-6648 JUNATA SOUTHERN
Client ID: GP9 (7.5-10)

Phoenix I.D.: BX95343

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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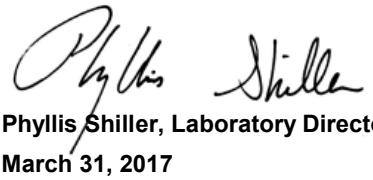

Phyllis Shiller, Laboratory Director

March 31, 2017

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

QA/QC Report

March 31, 2017

QA/QC Data

SDG I.D.: GBX95338

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 380763 (mg/kg), QC Sample No: BX94763 (BX95338, BX95339, BX95340, BX95341, BX95342, BX95343)													
ICP Metals - Soil													
Arsenic	BRL	0.67	5.91	5.70	3.60	87.9			88.0			75 - 125	30
Barium	BRL	0.33	2280	2300	0.90	92.1			NC			75 - 125	30
Cadmium	BRL	0.33	5.15	5.22	1.40	93.8			93.6			75 - 125	30
Chromium	BRL	0.33	158	160	1.30	100			94.6			75 - 125	30
Lead	BRL	0.33	251	255	1.60	92.0			98.2			75 - 125	30
Selenium	BRL	1.3	<1.8	<1.7	NC	77.6			80.4			75 - 125	30
Silver	BRL	0.33	20.9	21.8	4.20	91.4			101			75 - 125	30
QA/QC Batch 380808 (mg/kg), QC Sample No: BX94763 (BX95338, BX95339, BX95340, BX95341, BX95342, BX95343)													
Mercury - Soil	BRL	0.03	<0.5	<0.04	NC	91.6	94.2	2.8	102			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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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 31, 2017

QA/QC Data

SDG I.D.: GBX95338

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 380867 (mg/Kg), QC Sample No: BX94517 (BX95338, BX95339, BX95341)											
Volatiles - Soil											
1,1,1,2-Tetrachloroethane	ND	0.005	100	98	2.0	89	96	7.6	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	90	89	1.1	84	90	6.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	95	95	0.0	91	98	7.4	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	93	93	0.0	88	94	6.6	70 - 130	30	
1,1-Dichloroethane	ND	0.005	92	92	0.0	88	93	5.5	70 - 130	30	
1,1-Dichloroethene	ND	0.005	94	94	0.0	89	94	5.5	70 - 130	30	
1,1-Dichloropropene	ND	0.005	89	90	1.1	86	91	5.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	89	87	2.3	79	85	7.3	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	86	87	1.2	85	92	7.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	79	80	1.3	74	79	6.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	91	90	1.1	84	90	6.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	96	101	5.1	85	95	11.1	70 - 130	30	
1,2-Dibromoethane	ND	0.005	93	92	1.1	88	94	6.6	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	96	94	2.1	89	95	6.5	70 - 130	30	
1,2-Dichloroethane	ND	0.005	90	90	0.0	87	91	4.5	70 - 130	30	
1,2-Dichloropropane	ND	0.005	96	95	1.0	90	95	5.4	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	91	92	1.1	85	91	6.8	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	89	88	1.1	82	88	7.1	70 - 130	30	
1,3-Dichloropropane	ND	0.005	93	92	1.1	87	93	6.7	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	91	90	1.1	84	90	6.9	70 - 130	30	
2,2-Dichloropropane	ND	0.005	90	93	3.3	85	87	2.3	70 - 130	30	
2-Chlorotoluene	ND	0.005	96	96	0.0	89	95	6.5	70 - 130	30	
2-Hexanone	ND	0.025	79	82	3.7	74	80	7.8	70 - 130	30	
2-Isopropyltoluene	ND	0.005	98	98	0.0	90	97	7.5	70 - 130	30	
4-Chlorotoluene	ND	0.005	88	89	1.1	83	87	4.7	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	86	88	2.3	81	88	8.3	70 - 130	30	
Acetone	ND	0.01	62	69	10.7	72	69	4.3	70 - 130	30	l,m
Acrylonitrile	ND	0.005	88	90	2.2	82	89	8.2	70 - 130	30	
Benzene	ND	0.001	92	93	1.1	88	94	6.6	70 - 130	30	
Bromobenzene	ND	0.005	98	98	0.0	90	98	8.5	70 - 130	30	
Bromochloromethane	ND	0.005	94	94	0.0	90	94	4.3	70 - 130	30	
Bromodichloromethane	ND	0.005	98	97	1.0	89	95	6.5	70 - 130	30	
Bromoform	ND	0.005	95	96	1.0	82	95	14.7	70 - 130	30	
Bromomethane	ND	0.005	102	101	1.0	93	99	6.3	70 - 130	30	
Carbon Disulfide	ND	0.005	92	92	0.0	86	90	4.5	70 - 130	30	
Carbon tetrachloride	ND	0.005	104	97	7.0	89	96	7.6	70 - 130	30	
Chlorobenzene	ND	0.005	97	96	1.0	90	97	7.5	70 - 130	30	
Chloroethane	ND	0.005	98	99	1.0	90	97	7.5	70 - 130	30	
Chloroform	ND	0.005	81	89	9.4	85	89	4.6	70 - 130	30	
Chloromethane	ND	0.005	93	94	1.1	86	91	5.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	94	94	0.0	90	94	4.3	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	0.005	94	95	1.1	86	92	6.7	70 - 130	30
Dibromochloromethane	ND	0.003	102	100	2.0	91	99	8.4	70 - 130	30
Dibromomethane	ND	0.005	95	96	1.0	89	95	6.5	70 - 130	30
Dichlorodifluoromethane	ND	0.005	103	102	1.0	94	100	6.2	70 - 130	30
Ethylbenzene	ND	0.001	94	94	0.0	89	95	6.5	70 - 130	30
Hexachlorobutadiene	ND	0.005	94	94	0.0	82	92	11.5	70 - 130	30
Isopropylbenzene	ND	0.001	95	96	1.0	90	97	7.5	70 - 130	30
m&p-Xylene	ND	0.002	90	91	1.1	84	90	6.9	70 - 130	30
Methyl ethyl ketone	ND	0.005	77	79	2.6	74	78	5.3	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	0.001	101	100	1.0	96	99	3.1	70 - 130	30
Methylene chloride	ND	0.005	89	90	1.1	85	89	4.6	70 - 130	30
Naphthalene	ND	0.005	92	93	1.1	85	92	7.9	70 - 130	30
n-Butylbenzene	ND	0.001	89	90	1.1	80	89	10.7	70 - 130	30
n-Propylbenzene	ND	0.001	92	93	1.1	86	93	7.8	70 - 130	30
o-Xylene	ND	0.002	95	94	1.1	89	96	7.6	70 - 130	30
p-Isopropyltoluene	ND	0.001	91	91	0.0	84	91	8.0	70 - 130	30
sec-Butylbenzene	ND	0.001	96	97	1.0	89	97	8.6	70 - 130	30
Styrene	ND	0.005	90	89	1.1	83	89	7.0	70 - 130	30
tert-Butylbenzene	ND	0.001	96	96	0.0	89	96	7.6	70 - 130	30
Tetrachloroethene	ND	0.005	94	95	1.1	90	96	6.5	70 - 130	30
Tetrahydrofuran (THF)	ND	0.005	84	85	1.2	82	89	8.2	70 - 130	30
Toluene	ND	0.001	96	96	0.0	91	97	6.4	70 - 130	30
trans-1,2-Dichloroethene	ND	0.005	94	93	1.1	89	95	6.5	70 - 130	30
trans-1,3-Dichloropropene	ND	0.005	91	90	1.1	83	89	7.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	0.005	101	103	2.0	84	92	9.1	70 - 130	30
Trichloroethene	ND	0.005	96	95	1.0	90	96	6.5	70 - 130	30
Trichlorofluoromethane	ND	0.005	98	97	1.0	92	98	6.3	70 - 130	30
Trichlorotrifluoroethane	ND	0.005	96	96	0.0	91	96	5.3	70 - 130	30
Vinyl chloride	ND	0.005	96	97	1.0	90	93	3.3	70 - 130	30
% 1,2-dichlorobenzene-d4	93	%	101	101	0.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	99	%	98	97	1.0	96	96	0.0	70 - 130	30
% Dibromofluoromethane	101	%	98	99	1.0	100	100	0.0	70 - 130	30
% Toluene-d8	89	%	102	101	1.0	101	102	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 380753 (mg/Kg), QC Sample No: BX95141 (BX95338, BX95339, BX95340, BX95341, BX95342, BX95343)

Polynuclear Aromatic HC - Soil

Acenaphthene	ND	0.23	74	80	7.8	77	69	11.0	30 - 130	30
Acenaphthylene	ND	0.23	68	75	9.8	71	64	10.4	30 - 130	30
Anthracene	ND	0.23	76	87	13.5	81	72	11.8	30 - 130	30
Benz(a)anthracene	ND	0.23	75	86	13.7	81	70	14.6	30 - 130	30
Benzo(a)pyrene	ND	0.23	72	82	13.0	77	67	13.9	30 - 130	30
Benzo(b)fluoranthene	ND	0.23	73	81	10.4	80	72	10.5	30 - 130	30
Benzo(ghi)perylene	ND	0.23	84	96	13.3	88	77	13.3	30 - 130	30
Benzo(k)fluoranthene	ND	0.23	74	88	17.3	82	70	15.8	30 - 130	30
Chrysene	ND	0.23	79	91	14.1	86	76	12.3	30 - 130	30
Dibenz(a,h)anthracene	ND	0.23	81	94	14.9	85	73	15.2	30 - 130	30
Fluoranthene	ND	0.23	73	83	12.8	78	68	13.7	30 - 130	30
Fluorene	ND	0.23	75	82	8.9	79	69	13.5	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	0.23	80	90	11.8	83	73	12.8	30 - 130	30
Naphthalene	ND	0.23	66	73	10.1	66	62	6.3	30 - 130	30
Phenanthrene	ND	0.23	73	84	14.0	77	69	11.0	30 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Pyrene	ND	0.23	75	87	14.8	80	71	11.9	30 - 130	30	
% 2-Fluorobiphenyl	70	%	70	77	9.5	70	65	7.4	30 - 130	30	
% Nitrobenzene-d5	70	%	68	78	13.7	71	67	5.8	30 - 130	30	
% Terphenyl-d14	76	%	71	82	14.4	76	66	14.1	30 - 130	30	
QA/QC Batch 380982 (mg/Kg), QC Sample No: BX95342 (BX95342)											
Volatiles - Soil											
1,1,1,2-Tetrachloroethane	ND	0.005	101	100	1.0	88	95	7.7	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	96	89	7.6	87	93	6.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	103	95	8.1	92	98	6.3	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	99	93	6.3	88	93	5.5	70 - 130	30	
1,1-Dichloroethane	ND	0.005	98	93	5.2	88	95	7.7	70 - 130	30	
1,1-Dichloroethene	ND	0.005	101	96	5.1	87	92	5.6	70 - 130	30	
1,1-Dichloropropene	ND	0.005	97	91	6.4	91	99	8.4	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	101	97	4.0	91	102	11.4	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	91	86	5.6	86	93	7.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	98	98	0.0	92	101	9.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	99	96	3.1	93	101	8.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	103	94	9.1	85	98	14.2	70 - 130	30	
1,2-Dibromoethane	ND	0.005	98	91	7.4	90	96	6.5	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	105	101	3.9	97	105	7.9	70 - 130	30	
1,2-Dichloroethane	ND	0.005	97	91	6.4	86	92	6.7	70 - 130	30	
1,2-Dichloropropane	ND	0.005	100	95	5.1	92	98	6.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	99	95	4.1	94	102	8.2	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	99	98	1.0	93	100	7.3	70 - 130	30	
1,3-Dichloropropane	ND	0.005	96	93	3.2	89	95	6.5	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	103	100	3.0	96	104	8.0	70 - 130	30	
2,2-Dichloropropane	ND	0.005	101	96	5.1	90	94	4.3	70 - 130	30	
2-Chlorotoluene	ND	0.005	105	100	4.9	97	105	7.9	70 - 130	30	
2-Hexanone	ND	0.025	87	79	9.6	74	82	10.3	70 - 130	30	
2-Isopropyltoluene	ND	0.005	104	100	3.9	98	106	7.8	70 - 130	30	
4-Chlorotoluene	ND	0.005	98	97	1.0	92	101	9.3	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	93	82	12.6	81	87	7.1	70 - 130	30	
Acetone	ND	0.01	75	65	14.3	22	24	8.7	70 - 130	30	l,m
Acrylonitrile	ND	0.005	93	89	4.4	87	95	8.8	70 - 130	30	
Benzene	ND	0.001	98	94	4.2	91	98	7.4	70 - 130	30	
Bromobenzene	ND	0.005	105	101	3.9	97	103	6.0	70 - 130	30	
Bromochloromethane	ND	0.005	98	93	5.2	86	93	7.8	70 - 130	30	
Bromodichloromethane	ND	0.005	101	98	3.0	87	92	5.6	70 - 130	30	
Bromoform	ND	0.005	101	96	5.1	79	85	7.3	70 - 130	30	
Bromomethane	ND	0.005	111	106	4.6	73	88	18.6	70 - 130	30	
Carbon Disulfide	ND	0.005	100	95	5.1	88	94	6.6	70 - 130	30	
Carbon tetrachloride	ND	0.005	105	100	4.9	80	88	9.5	70 - 130	30	
Chlorobenzene	ND	0.005	104	99	4.9	97	105	7.9	70 - 130	30	
Chloroethane	ND	0.005	105	99	5.9	32	36	11.8	70 - 130	30	m
Chloroform	ND	0.005	94	88	6.6	80	85	6.1	70 - 130	30	
Chloromethane	ND	0.005	100	95	5.1	94	100	6.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	100	94	6.2	89	97	8.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	100	96	4.1	89	95	6.5	70 - 130	30	
Dibromochloromethane	ND	0.003	104	103	1.0	86	94	8.9	70 - 130	30	
Dibromomethane	ND	0.005	99	93	6.3	90	96	6.5	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	108	104	3.8	98	106	7.8	70 - 130	30	
Ethylbenzene	ND	0.001	101	98	3.0	96	106	9.9	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Hexachlorobutadiene	ND	0.005	105	102	2.9	100	110	9.5	70 - 130	30	
Isopropylbenzene	ND	0.001	103	99	4.0	97	105	7.9	70 - 130	30	
m&p-Xylene	ND	0.002	96	93	3.2	92	100	8.3	70 - 130	30	
Methyl ethyl ketone	ND	0.005	87	76	13.5	79	81	2.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	105	100	4.9	94	98	4.2	70 - 130	30	
Methylene chloride	ND	0.005	96	91	5.3	87	92	5.6	70 - 130	30	
Naphthalene	ND	0.005	101	94	7.2	87	99	12.9	70 - 130	30	
n-Butylbenzene	ND	0.001	102	99	3.0	99	108	8.7	70 - 130	30	
n-Propylbenzene	ND	0.001	101	98	3.0	96	105	9.0	70 - 130	30	
o-Xylene	ND	0.002	100	96	4.1	96	104	8.0	70 - 130	30	
p-Isopropyltoluene	ND	0.001	100	97	3.0	95	104	9.0	70 - 130	30	
sec-Butylbenzene	ND	0.001	104	100	3.9	100	109	8.6	70 - 130	30	
Styrene	ND	0.005	95	92	3.2	91	97	6.4	70 - 130	30	
tert-Butylbenzene	ND	0.001	101	97	4.0	95	105	10.0	70 - 130	30	
Tetrachloroethene	ND	0.005	103	99	4.0	100	108	7.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	92	83	10.3	85	92	7.9	70 - 130	30	
Toluene	ND	0.001	103	97	6.0	97	104	7.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	101	97	4.0	94	99	5.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	98	93	5.2	87	91	4.5	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	111	105	5.6	92	100	8.3	70 - 130	30	
Trichloroethene	ND	0.005	102	96	6.1	96	102	6.1	70 - 130	30	
Trichlorofluoromethane	ND	0.005	105	102	2.9	34	36	5.7	70 - 130	30	m
Trichlorotrifluoroethane	ND	0.005	103	99	4.0	92	95	3.2	70 - 130	30	
Vinyl chloride	ND	0.005	103	98	5.0	99	106	6.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	93	%	103	103	0.0	101	101	0.0	70 - 130	30	
% Bromofluorobenzene	99	%	95	97	2.1	96	96	0.0	70 - 130	30	
% Dibromofluoromethane	102	%	98	99	1.0	97	97	0.0	70 - 130	30	
% Toluene-d8	87	%	103	101	2.0	102	102	0.0	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 381086 (mg/Kg), QC Sample No: BX95343 (BX95343)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	0.005	97	96	1.0	86			70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	100	101	1.0	97			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	100	99	1.0	85			70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	97	99	2.0	84			70 - 130	30	
1,1-Dichloroethane	ND	0.005	101	102	1.0	95			70 - 130	30	
1,1-Dichloroethene	ND	0.005	101	101	0.0	96			70 - 130	30	
1,1-Dichloropropene	ND	0.005	98	100	2.0	96			70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	99	98	1.0	59			70 - 130	30	m
1,2,3-Trichloropropane	ND	0.005	92	93	1.1	80			70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	93	91	2.2	57			70 - 130	30	m
1,2,4-Trimethylbenzene	ND	0.001	92	90	2.2	85			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	97	98	1.0	74			70 - 130	30	
1,2-Dibromoethane	ND	0.005	97	98	1.0	79			70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	93	92	1.1	71			70 - 130	30	
1,2-Dichloroethane	ND	0.005	96	98	2.1	85			70 - 130	30	
1,2-Dichloropropane	ND	0.005	98	100	2.0	93			70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	94	92	2.2	89			70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	93	92	1.1	74			70 - 130	30	
1,3-Dichloropropane	ND	0.005	95	95	0.0	81			70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	91	90	1.1	70			70 - 130	30	

QA/QC Data

SDG I.D.: GBX95338

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,2-Dichloropropane	ND	0.005	102	103	1.0	97			70 - 130	30	
2-Chlorotoluene	ND	0.005	94	93	1.1	86			70 - 130	30	
2-Hexanone	ND	0.025	83	86	3.6	66			70 - 130	30	m
2-Isopropyltoluene	ND	0.005	98	97	1.0	91			70 - 130	30	
4-Chlorotoluene	ND	0.005	93	92	1.1	79			70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	94	97	3.1	76			70 - 130	30	
Acetone	ND	0.01	78	76	2.6	83			70 - 130	30	
Acrylonitrile	ND	0.005	99	103	4.0	82			70 - 130	30	
Benzene	ND	0.001	98	99	1.0	93			70 - 130	30	
Bromobenzene	ND	0.005	95	94	1.1	80			70 - 130	30	
Bromochloromethane	ND	0.005	98	102	4.0	87			70 - 130	30	
Bromodichloromethane	ND	0.005	99	99	0.0	86			70 - 130	30	
Bromoform	ND	0.005	97	98	1.0	70			70 - 130	30	
Bromomethane	ND	0.005	99	101	2.0	93			70 - 130	30	
Carbon Disulfide	ND	0.005	100	100	0.0	91			70 - 130	30	
Carbon tetrachloride	ND	0.005	100	103	3.0	94			70 - 130	30	
Chlorobenzene	ND	0.005	94	94	0.0	83			70 - 130	30	
Chloroethane	ND	0.005	102	103	1.0	95			70 - 130	30	
Chloroform	ND	0.005	102	105	2.9	90			70 - 130	30	
Chloromethane	ND	0.005	98	100	2.0	87			70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	100	100	0.0	91			70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	100	101	1.0	83			70 - 130	30	
Dibromochloromethane	ND	0.003	99	101	2.0	80			70 - 130	30	
Dibromomethane	ND	0.005	97	101	4.0	84			70 - 130	30	
Dichlorodifluoromethane	ND	0.005	110	112	1.8	94			70 - 130	30	
Ethylbenzene	ND	0.001	92	94	2.2	88			70 - 130	30	
Hexachlorobutadiene	ND	0.005	97	96	1.0	77			70 - 130	30	
Isopropylbenzene	ND	0.001	95	93	2.1	93			70 - 130	30	
m&p-Xylene	ND	0.002	91	92	1.1	85			70 - 130	30	
Methyl ethyl ketone	ND	0.005	91	95	4.3	77			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	107	109	1.9	93			70 - 130	30	
Methylene chloride	ND	0.005	94	95	1.1	93			70 - 130	30	
Naphthalene	ND	0.005	106	106	0.0	65			70 - 130	30	m
n-Butylbenzene	ND	0.001	93	94	1.1	83			70 - 130	30	
n-Propylbenzene	ND	0.001	94	91	3.2	89			70 - 130	30	
o-Xylene	ND	0.002	96	97	1.0	87			70 - 130	30	
p-Isopropyltoluene	ND	0.001	93	93	0.0	87			70 - 130	30	
sec-Butylbenzene	ND	0.001	98	99	1.0	94			70 - 130	30	
Styrene	ND	0.005	93	95	2.1	77			70 - 130	30	
tert-Butylbenzene	ND	0.001	96	95	1.0	94			70 - 130	30	
Tetrachloroethene	ND	0.005	95	99	4.1	95			70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	91	94	3.2	75			70 - 130	30	
Toluene	ND	0.001	96	98	2.1	91			70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	100	100	0.0	91			70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	96	97	1.0	75			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	106	104	1.9	68			70 - 130	30	m
Trichloroethene	ND	0.005	97	98	1.0	93			70 - 130	30	
Trichlorofluoromethane	ND	0.005	98	100	2.0	97			70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	96	97	1.0	97			70 - 130	30	
Vinyl chloride	ND	0.005	99	101	2.0	94			70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	103	100	3.0	100			70 - 130	30	
% Bromofluorobenzene	98	%	101	102	1.0	97			70 - 130	30	
% Dibromofluoromethane	104	%	99	101	2.0	101			70 - 130	30	

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Toluene-d8	98	%		101	102	1.0	101			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 380980 (mg/Kg), QC Sample No: BX95632 (BX95340)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	0.005		99	99	0.0	91	93	2.2	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005		100	98	2.0	94	98	4.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003		99	102	3.0	93	97	4.2	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005		98	100	2.0	98	100	2.0	70 - 130	30	
1,1-Dichloroethane	ND	0.005		103	102	1.0	101	102	1.0	70 - 130	30	
1,1-Dichloroethene	ND	0.005		104	101	2.9	90	92	2.2	70 - 130	30	
1,1-Dichloropropene	ND	0.005		95	95	0.0	97	101	4.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005		97	101	4.0	96	106	9.9	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005		92	97	5.3	90	92	2.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005		92	91	1.1	90	99	9.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001		94	93	1.1	103	97	6.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005		94	101	7.2	117	174	39.2	70 - 130	30	m,r
1,2-Dibromoethane	ND	0.005		98	101	3.0	100	100	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005		95	95	0.0	92	96	4.3	70 - 130	30	
1,2-Dichloroethane	ND	0.005		98	99	1.0	96	98	2.1	70 - 130	30	
1,2-Dichloropropane	ND	0.005		100	102	2.0	103	105	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001		95	94	1.1	94	97	3.1	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005		95	94	1.1	92	98	6.3	70 - 130	30	
1,3-Dichloropropane	ND	0.005		96	98	2.1	98	98	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005		92	91	1.1	89	95	6.5	70 - 130	30	
2,2-Dichloropropane	ND	0.005		103	102	1.0	98	100	2.0	70 - 130	30	
2-Chlorotoluene	ND	0.005		97	95	2.1	94	100	6.2	70 - 130	30	
2-Hexanone	ND	0.025		86	90	4.5	82	83	1.2	70 - 130	30	
2-Isopropyltoluene	ND	0.005		97	98	1.0	97	101	4.0	70 - 130	30	
4-Chlorotoluene	ND	0.005		93	93	0.0	90	96	6.5	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025		95	100	5.1	92	93	1.1	70 - 130	30	
Acetone	ND	0.01		98	98	0.0	71	71	0.0	70 - 130	30	
Acrylonitrile	ND	0.005		101	104	2.9	99	99	0.0	70 - 130	30	
Benzene	ND	0.001		98	97	1.0	100	101	1.0	70 - 130	30	
Bromobenzene	ND	0.005		96	96	0.0	94	100	6.2	70 - 130	30	
Bromochloromethane	ND	0.005		102	103	1.0	99	102	3.0	70 - 130	30	
Bromodichloromethane	ND	0.005		99	100	1.0	89	92	3.3	70 - 130	30	
Bromoform	ND	0.005		96	98	2.1	69	77	11.0	70 - 130	30	m
Bromomethane	ND	0.005		103	100	3.0	59	63	6.6	70 - 130	30	m
Carbon Disulfide	ND	0.005		105	101	3.9	88	89	1.1	70 - 130	30	
Carbon tetrachloride	ND	0.005		101	101	0.0	83	90	8.1	70 - 130	30	
Chlorobenzene	ND	0.005		95	96	1.0	96	98	2.1	70 - 130	30	
Chloroethane	ND	0.005		110	106	3.7	17	17	0.0	70 - 130	30	m
Chloroform	ND	0.005		103	103	0.0	93	96	3.2	70 - 130	30	
Chloromethane	ND	0.005		98	97	1.0	105	101	3.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005		102	100	2.0	101	103	2.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005		99	100	1.0	98	100	2.0	70 - 130	30	
Dibromochloromethane	ND	0.003		101	103	2.0	81	86	6.0	70 - 130	30	
Dibromomethane	ND	0.005		98	101	3.0	97	99	2.0	70 - 130	30	
Dichlorodifluoromethane	ND	0.005		98	100	2.0	97	99	2.0	70 - 130	30	
Ethylbenzene	ND	0.001		95	96	1.0	97	99	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBX95338

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Hexachlorobutadiene	ND	0.005	98	97	1.0	97	102	5.0	70 - 130	30	
Isopropylbenzene	ND	0.001	95	95	0.0	96	99	3.1	70 - 130	30	
m&p-Xylene	ND	0.002	93	93	0.0	95	97	2.1	70 - 130	30	
Methyl ethyl ketone	ND	0.005	93	98	5.2	86	88	2.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	109	108	0.9	111	111	0.0	70 - 130	30	
Methylene chloride	ND	0.005	100	97	3.0	87	90	3.4	70 - 130	30	
Naphthalene	ND	0.005	100	105	4.9	152	119	24.4	70 - 130	30	m
n-Butylbenzene	ND	0.001	95	95	0.0	94	99	5.2	70 - 130	30	
n-Propylbenzene	ND	0.001	92	92	0.0	92	96	4.3	70 - 130	30	
o-Xylene	ND	0.002	97	97	0.0	99	101	2.0	70 - 130	30	
p-Isopropyltoluene	ND	0.001	93	94	1.1	94	98	4.2	70 - 130	30	
sec-Butylbenzene	ND	0.001	101	102	1.0	100	105	4.9	70 - 130	30	
Styrene	ND	0.005	96	96	0.0	96	99	3.1	70 - 130	30	
tert-Butylbenzene	ND	0.001	97	97	0.0	96	101	5.1	70 - 130	30	
Tetrachloroethene	ND	0.005	99	98	1.0	100	105	4.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	92	97	5.3	91	90	1.1	70 - 130	30	
Toluene	ND	0.001	98	98	0.0	99	102	3.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	101	101	0.0	102	104	1.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	99	100	1.0	94	97	3.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	105	107	1.9	89	93	4.4	70 - 130	30	
Trichloroethene	ND	0.005	99	97	2.0	102	102	0.0	70 - 130	30	
Trichlorofluoromethane	ND	0.005	105	104	1.0	20	20	0.0	70 - 130	30	m
Trichlorotrifluoroethane	ND	0.005	98	98	0.0	88	91	3.4	70 - 130	30	
Vinyl chloride	ND	0.005	101	101	0.0	95	97	2.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	101	103	2.0	102	102	0.0	70 - 130	30	
% Bromofluorobenzene	95	%	101	103	2.0	102	102	0.0	70 - 130	30	
% Dibromofluoromethane	102	%	102	104	1.9	97	97	0.0	70 - 130	30	
% Toluene-d8	98	%	101	100	1.0	101	102	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.
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
March 31, 2017

Friday, March 31, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBX95338 - 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

Analysis Comments

March 31, 2017 SDG I.D.: GBX95338

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM14 03/29/17-2: BX95340

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM14 03/30/17-1: BX95343

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM18 03/28/17-2: BX95338, BX95339, BX95341

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 27% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: Bromoform 0.090 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM18 03/29/17-1: BX95342

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 27% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: Bromoform 0.095 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 31, 2017

SDG I.D.: GBX95338

The samples in this delivery group were received at 3°C.
(Note acceptance criteria is above freezing up to 6°C)

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

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX
Environmental Laboratories, Inc.

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

Contact Options:
☐ Fax:
☐ Phone:
☒ Email: a.gates@ctmale.com

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

Project: 16.6648 Juncta southern
Report to: Aimee Gates
Invoice to: Aimee Gates

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Brady Wilson Date:

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	8 RCRA Metals	SVOCs 8270 CP51	VOCs 8260		Soil VOA Vials (X) 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
95338	GP11 (7.5-10)	S	3/27/17	1100	X	X	X	✓	3	1								
95339	GP10 (7.5-10)			1200	X	X	X	✓	3	1								
95340	GP12 (7.5-10)			1300	X	X	X		3	1								
95341	GP7 (7.5-10)			1330	X	X	X		3	1								
95342	GP8 (2.5-5)			1430	X	X	X		3	1								
95343	GP9 (7.5-10)			1530	X	X	X		3	1								

Relinquished by:	Accepted by:	Date:	Time:
Brady Wilson		3/28/17	0800
		3/28	7:00
	M Gerstley	3/28/17	17:10

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

State where samples were collected: NY

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

APPENDIX E

Laboratory Analysis Report for Groundwater

PHOENIX
Environmental Laboratories, Inc.

Wednesday, April 05, 2017

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

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Sample ID#s: BX95344 - BX95349, BX95399

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 05, 2017

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:		03/27/17	11:00
Location Code:	CT-MALE	Received by:	LB	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95344
Phoenix ID: BX95344

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.345	0.004	mg/L	1	03/30/17	LK	SW6010C
Barium	2.63	0.002	mg/L	1	03/30/17	LK	SW6010C
Cadmium	0.017	0.001	mg/L	1	03/30/17	LK	SW6010C
Chromium	0.433	0.001	mg/L	1	03/30/17	LK	SW6010C
Lead	0.504	0.002	mg/L	1	03/30/17	LK	SW6010C
Mercury	0.0009	0.0002	mg/L	1	03/30/17	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	03/30/17	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	03/30/17	MA	SW6010C
Mercury Digestion	Completed				03/30/17	W/W	SW7470A
Semi-Volatile Extraction	Completed				03/28/17	P/D	SW3520C
Total Metals Digestion	Completed				03/29/17	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	03/29/17	MH	SW8260C

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP11

Phoenix I.D.: BX95344

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Acetone	ND	25	ug/L	1	03/29/17	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/29/17	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/29/17	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/29/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	03/29/17	MH	70 - 130 %
% Bromofluorobenzene	90		%	1	03/29/17	MH	70 - 130 %
% Dibromofluoromethane	82		%	1	03/29/17	MH	70 - 130 %
% Toluene-d8	98		%	1	03/29/17	MH	70 - 130 %

Semivolatiles by SIM

2-Methylnaphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.07	ug/L	1	03/29/17	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	61		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	49		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	85		%	1	03/29/17	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:

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
April 05, 2017
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

April 05, 2017

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:		03/27/17	12:00
Location Code:	CT-MALE	Received by:	LB	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95344
Phoenix ID: BX95345

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.281	0.004	mg/L	1	03/30/17	LK	SW6010C
Barium	5.03	0.002	mg/L	1	03/30/17	LK	SW6010C
Cadmium	0.020	0.001	mg/L	1	03/30/17	LK	SW6010C
Chromium	1.65	0.001	mg/L	1	03/30/17	LK	SW6010C
Lead	3.52	0.020	mg/L	10	03/30/17	LK	SW6010C
Mercury	0.0019	0.0002	mg/L	1	03/30/17	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	03/30/17	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	03/30/17	LK	SW6010C
Mercury Digestion	Completed				03/30/17	W/W	SW7470A
Semi-Volatile Extraction	Completed				03/28/17	P/D	SW3520C
Total Metals Digestion	Completed				03/29/17	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	03/29/17	MH	SW8260C

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP10

Phoenix I.D.: BX95345

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Acetone	ND	25	ug/L	1	03/29/17	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/29/17	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/29/17	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/29/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	03/29/17	MH	70 - 130 %
% Bromofluorobenzene	91		%	1	03/29/17	MH	70 - 130 %
% Dibromofluoromethane	74		%	1	03/29/17	MH	70 - 130 %
% Toluene-d8	98		%	1	03/29/17	MH	70 - 130 %

Semivolatiles by SIM

2-Methylnaphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.07	ug/L	1	03/29/17	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	54		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	36		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	93		%	1	03/29/17	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:

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
April 05, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 05, 2017

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:		03/27/17	13:00
Location Code:	CT-MALE	Received by:	LB	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95344
Phoenix ID: BX95346

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP12

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.015	0.004	mg/L	1	03/30/17	LK	SW6010C
Barium	0.585	0.002	mg/L	1	03/30/17	LK	SW6010C
Cadmium	< 0.001	0.001	mg/L	1	03/30/17	LK	SW6010C
Chromium	0.043	0.001	mg/L	1	03/30/17	LK	SW6010C
Lead	0.060	0.002	mg/L	1	03/30/17	LK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	03/30/17	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	03/30/17	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	03/30/17	LK	SW6010C
Mercury Digestion	Completed				03/30/17	W/W	SW7470A
Semi-Volatile Extraction	Completed				03/28/17	P/D	SW3520C
Total Metals Digestion	Completed				03/29/17	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	03/29/17	MH	SW8260C

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP12

Phoenix I.D.: BX95346

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Chlorotoluene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Hexanone	ND		5.0	ug/L	1	03/29/17	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
4-Methyl-2-pentanone	ND		5.0	ug/L	1	03/29/17	MH	SW8260C	
Acetone	ND		25	ug/L	1	03/29/17	MH	SW8260C	
Acrylonitrile	ND		5.0	ug/L	1	03/29/17	MH	SW8260C	
Benzene	ND		0.70	ug/L	1	03/29/17	MH	SW8260C	
Bromobenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromochloromethane	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromodichloromethane	ND		0.50	ug/L	1	03/29/17	MH	SW8260C	
Bromoform	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromomethane	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon Disulfide	ND		5.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon tetrachloride	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Chlorobenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroethane	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroform	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloromethane	35	E	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	ug/L	1	03/29/17	MH	SW8260C	
Dibromochloromethane	ND		0.50	ug/L	1	03/29/17	MH	SW8260C	
Dibromomethane	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Ethylbenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Hexachlorobutadiene	ND		0.40	ug/L	1	03/29/17	MH	SW8260C	
Isopropylbenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
m&p-Xylene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl ethyl ketone	ND		5.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Methylene chloride	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Naphthalene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Butylbenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Propylbenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
o-Xylene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
sec-Butylbenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Styrene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
tert-Butylbenzene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrachloroethene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND		2.5	ug/L	1	03/29/17	MH	SW8260C	1
Toluene	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	
Total Xylenes	ND		1.0	ug/L	1	03/29/17	MH	SW8260C	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/29/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/29/17	MH	70 - 130 %
% Bromofluorobenzene	91		%	1	03/29/17	MH	70 - 130 %
% Dibromofluoromethane	72		%	1	03/29/17	MH	70 - 130 %
% Toluene-d8	99		%	1	03/29/17	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.07	ug/L	1	03/29/17	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	49		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	36		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	94		%	1	03/29/17	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:

Volatile Comment:
E = Estimated value. Sample result was above the calibration range. Subsequent dilution did not correlate well with original analysis results. The higher results are reported.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 05, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 05, 2017

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:		03/27/17	13:30
Location Code:	CT-MALE	Received by:	LB	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95344
Phoenix ID: BX95347

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.858	0.020	mg/L	5	03/30/17	LK	SW6010C
Barium	25.7	0.010	mg/L	5	03/30/17	LK	SW6010C
Cadmium	0.124	0.005	mg/L	5	03/30/17	LK	SW6010C
Chromium	3.59	0.005	mg/L	5	03/30/17	LK	SW6010C
Lead	4.05	0.010	mg/L	5	03/30/17	LK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	03/31/17	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	03/30/17	MA	SW6010C
Silver	< 0.001	0.001	mg/L	1	03/30/17	MA	SW6010C
Mercury Digestion	Completed				03/31/17	W/W	SW7470A
Semi-Volatile Extraction	Completed				03/28/17	P/D	SW3520C
Total Metals Digestion	Completed				03/29/17	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	03/29/17	MH	SW8260C

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP7

Phoenix I.D.: BX95347

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Acetone	ND	25	ug/L	1	03/29/17	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/29/17	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/29/17	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/29/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	03/29/17	MH	70 - 130 %
% Bromofluorobenzene	89		%	1	03/29/17	MH	70 - 130 %
% Dibromofluoromethane	71		%	1	03/29/17	MH	70 - 130 %
% Toluene-d8	100		%	1	03/29/17	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.07	ug/L	1	03/29/17	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	48		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	36		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	88		%	1	03/29/17	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:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 05, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 05, 2017

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:		03/27/17	14:30
Location Code:	CT-MALE	Received by:	LB	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95344
Phoenix ID: BX95348

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	1.50	0.020	mg/L	5	03/30/17	LK	SW6010C
Barium	17.2	0.010	mg/L	5	03/30/17	LK	SW6010C
Cadmium	0.079	0.005	mg/L	5	03/30/17	LK	SW6010C
Chromium	1.89	0.005	mg/L	5	03/30/17	LK	SW6010C
Lead	3.86	0.010	mg/L	5	03/30/17	LK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	03/31/17	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	03/30/17	MA	SW6010C
Silver	< 0.001	0.001	mg/L	1	03/30/17	MA	SW6010C
Mercury Digestion	Completed				03/31/17	W/W	SW7470A
Semi-Volatile Extraction	Completed				03/28/17	P/D	SW3520C
Total Metals Digestion	Completed				03/29/17	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	03/29/17	MH	SW8260C

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP8

Phoenix I.D.: BX95348

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Acetone	ND	25	ug/L	1	03/29/17	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/29/17	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/29/17	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/29/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	03/29/17	MH	70 - 130 %
% Bromofluorobenzene	90		%	1	03/29/17	MH	70 - 130 %
% Dibromofluoromethane	101		%	1	03/29/17	MH	70 - 130 %
% Toluene-d8	101		%	1	03/29/17	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.07	ug/L	1	03/29/17	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	53		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	42		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	95		%	1	03/29/17	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:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 05, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 05, 2017

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:		03/27/17	15:30
Location Code:	CT-MALE	Received by:	LB	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95344
Phoenix ID: BX95349

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	0.395	0.004	mg/L	1	03/30/17	LK	SW6010C
Barium	7.91	0.002	mg/L	1	03/30/17	LK	SW6010C
Cadmium	0.043	0.001	mg/L	1	03/30/17	LK	SW6010C
Chromium	0.956	0.001	mg/L	1	03/30/17	LK	SW6010C
Lead	6.63	0.020	mg/L	10	03/30/17	LK	SW6010C
Mercury	0.0003	0.0002	mg/L	1	03/30/17	RS	SW7470A
Selenium	< 0.010	0.010	mg/L	1	03/30/17	LK	SW6010C
Silver	< 0.001	0.001	mg/L	1	03/30/17	MA	SW6010C
Mercury Digestion	Completed				03/30/17	W/W	SW7470A
Semi-Volatile Extraction	Completed				03/28/17	P/D	SW3520C
Total Metals Digestion	Completed				03/29/17	AG	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	03/29/17	MH	SW8260C

Project ID: 16-6648 JUNCTA SOUTHERN PARCEL
Client ID: GP9

Phoenix I.D.: BX95349

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Acetone	ND	25	ug/L	1	03/29/17	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/29/17	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Chloromethane	1.8	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/29/17	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/29/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/29/17	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/29/17	MH	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/29/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/29/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	03/29/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/29/17	MH	70 - 130 %
% Bromofluorobenzene	91		%	1	03/29/17	MH	70 - 130 %
% Dibromofluoromethane	103		%	1	03/29/17	MH	70 - 130 %
% Toluene-d8	99		%	1	03/29/17	MH	70 - 130 %
Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	03/29/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.07	ug/L	1	03/29/17	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	03/29/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	72		%	1	03/29/17	DD	30 - 130 %
% Nitrobenzene-d5	72		%	1	03/29/17	DD	30 - 130 %
% Terphenyl-d14	94		%	1	03/29/17	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:

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
April 05, 2017
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

April 05, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	BW	03/27/17	
Location Code:	CT-MALE	Received by:	DL	03/28/17	17:10
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBX95344
Phoenix ID: BX95399

Project ID: 16.6648 JUNCTA SOUTHERN PARCEL
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	03/31/17	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/31/17	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/31/17	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/31/17	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/31/17	MH	SW8260C	

Ver 1

Project ID: 16.6648 JUNCTA SOUTHERN PARCEL
Client ID: TRIP BLANK

Phoenix I.D.: BX95399

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/31/17	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	03/31/17	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/31/17	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/31/17	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/31/17	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/31/17	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/31/17	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/31/17	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/31/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/31/17	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/31/17	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/31/17	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/31/17	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	03/31/17	MH	70 - 130 %	
% Bromofluorobenzene	102		%	1	03/31/17	MH	70 - 130 %	
% Dibromofluoromethane	103		%	1	03/31/17	MH	70 - 130 %	

Ver 1

Project ID: 16.6648 JUNCTA SOUTHERN PARCEL
Client ID: TRIP BLANK

Phoenix I.D.: BX95399

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100		%	1	03/31/17	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:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 05, 2017
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

April 05, 2017

QA/QC Data

SDG I.D.: GBX95344

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 380882 (mg/L), QC Sample No: BX95550 (BX95344, BX95345, BX95346, BX95347, BX95348, BX95349)													
ICP Metals - Aqueous													
Arsenic	BRL	0.004	<0.004	<0.004	NC	102			101			75 - 125	20
Barium	BRL	0.002	<0.002	<0.002	NC	104			106			75 - 125	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	103			103			75 - 125	20
Chromium	BRL	0.001	<0.001	<0.001	NC	104			104			75 - 125	20
Lead	BRL	0.002	<0.002	<0.002	NC	102			103			75 - 125	20
Selenium	BRL	0.010	<0.010	<0.010	NC	99.6			96.5			75 - 125	20
Silver	BRL	0.001	<0.001	<0.001	NC	104			105			75 - 125	20
QA/QC Batch 380941 (mg/L), QC Sample No: BX95920 (BX95344, BX95345, BX95346, BX95349)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	103			84.6			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 381068 (mg/L), QC Sample No: BX96130 (BX95347, BX95348)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	108			94.9			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%.													

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

QA/QC Report

April 05, 2017

QA/QC Data

SDG I.D.: GBX95344

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 380754 (ug/L), QC Sample No: BX94742 (BX95344, BX95345, BX95346, BX95347, BX95348, BX95349)										
Semivolatiles by SIM - Ground Water										
2-Methylnaphthalene	ND	0.05	63	62	1.6				30 - 130	20
Acenaphthene	ND	0.05	77	75	2.6				30 - 130	20
Acenaphthylene	ND	0.04	71	71	0.0				30 - 130	20
Anthracene	ND	0.02	89	88	1.1				30 - 130	20
Benz(a)anthracene	ND	0.02	93	91	2.2				30 - 130	20
Benzo(a)pyrene	ND	0.02	90	86	4.5				30 - 130	20
Benzo(b)fluoranthene	ND	0.02	99	91	8.4				30 - 130	20
Benzo(ghi)perylene	ND	0.02	85	90	5.7				30 - 130	20
Benzo(k)fluoranthene	ND	0.02	94	87	7.7				30 - 130	20
Chrysene	ND	0.02	92	91	1.1				30 - 130	20
Dibenz(a,h)anthracene	ND	0.01	94	98	4.2				30 - 130	20
Fluoranthene	ND	0.04	101	94	7.2				30 - 130	20
Fluorene	ND	0.05	80	82	2.5				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.02	98	103	5.0				30 - 130	20
Naphthalene	ND	0.05	43	47	8.9				30 - 130	20
Phenanthrene	ND	0.05	81	81	0.0				30 - 130	20
Pyrene	ND	0.02	105	98	6.9				30 - 130	20
% 2-Fluorobiphenyl	50	%	58	59	1.7				30 - 130	20
% Nitrobenzene-d5	50	%	41	46	11.5				30 - 130	20
% Terphenyl-d14	104	%	95	88	7.7				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 380989 (ug/L), QC Sample No: BX94743 (BX95344, BX95345, BX95346, BX95347, BX95348, BX95349)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	104	100	3.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	87	91	4.5				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	104	94	10.1				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	101	87	14.9				70 - 130	30
1,1-Dichloroethane	ND	1.0	98	96	2.1				70 - 130	30
1,1-Dichloroethene	ND	1.0	90	94	4.3				70 - 130	30
1,1-Dichloropropene	ND	1.0	94	96	2.1				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	107	94	12.9				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	101	89	12.6				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	107	97	9.8				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	99	105	5.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	103	90	13.5				70 - 130	30
1,2-Dibromoethane	ND	1.0	103	93	10.2				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	101	97	4.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	101	91	10.4				70 - 130	30
1,2-Dichloropropane	ND	1.0	102	97	5.0				70 - 130	30

QA/QC Data

SDG I.D.: GBX95344

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	1.0	101	104	2.9				70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	101	103	2.0				70 - 130	30	
1,3-Dichloropropane	ND	1.0	103	93	10.2				70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	97	99	2.0				70 - 130	30	
2,2-Dichloropropane	ND	1.0	99	97	2.0				70 - 130	30	
2-Chlorotoluene	ND	1.0	103	110	6.6				70 - 130	30	
2-Hexanone	ND	5.0	89	69	25.3				70 - 130	30	I
2-Isopropyltoluene	ND	1.0	104	105	1.0				70 - 130	30	
4-Chlorotoluene	ND	1.0	101	104	2.9				70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	93	70	28.2				70 - 130	30	
Acetone	ND	5.0	64	50	24.6				70 - 130	30	I
Acrylonitrile	ND	5.0	99	81	20.0				70 - 130	30	
Benzene	ND	0.70	98	97	1.0				70 - 130	30	
Bromobenzene	ND	1.0	101	103	2.0				70 - 130	30	
Bromochloromethane	ND	1.0	101	92	9.3				70 - 130	30	
Bromodichloromethane	ND	0.50	104	98	5.9				70 - 130	30	
Bromoform	ND	1.0	101	86	16.0				70 - 130	30	
Bromomethane	ND	1.0	107	113	5.5				70 - 130	30	
Carbon Disulfide	ND	1.0	96	100	4.1				70 - 130	30	
Carbon tetrachloride	ND	1.0	87	104	17.8				70 - 130	30	
Chlorobenzene	ND	1.0	100	100	0.0				70 - 130	30	
Chloroethane	ND	1.0	97	104	7.0				70 - 130	30	
Chloroform	ND	1.0	96	93	3.2				70 - 130	30	
Chloromethane	ND	1.0	107	108	0.9				70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	96	97	1.0				70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	104	97	7.0				70 - 130	30	
Dibromochloromethane	ND	0.50	106	96	9.9				70 - 130	30	
Dibromomethane	ND	1.0	100	88	12.8				70 - 130	30	
Dichlorodifluoromethane	ND	1.0	107	111	3.7				70 - 130	30	
Ethylbenzene	ND	1.0	103	104	1.0				70 - 130	30	
Hexachlorobutadiene	ND	0.40	96	108	11.8				70 - 130	30	
Isopropylbenzene	ND	1.0	100	106	5.8				70 - 130	30	
m&p-Xylene	ND	1.0	102	103	1.0				70 - 130	30	
Methyl ethyl ketone	ND	5.0	88	66	28.6				70 - 130	30	I
Methyl t-butyl ether (MTBE)	ND	1.0	108	88	20.4				70 - 130	30	
Methylene chloride	ND	1.0	97	92	5.3				70 - 130	30	
Naphthalene	ND	1.0	116	96	18.9				70 - 130	30	
n-Butylbenzene	ND	1.0	103	99	4.0				70 - 130	30	
n-Propylbenzene	ND	1.0	99	102	3.0				70 - 130	30	
o-Xylene	ND	1.0	107	106	0.9				70 - 130	30	
p-Isopropyltoluene	ND	1.0	101	99	2.0				70 - 130	30	
sec-Butylbenzene	ND	1.0	104	101	2.9				70 - 130	30	
Styrene	ND	1.0	106	103	2.9				70 - 130	30	
tert-Butylbenzene	ND	1.0	102	103	1.0				70 - 130	30	
Tetrachloroethene	ND	1.0	96	94	2.1				70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	75	73	2.7				70 - 130	30	
Toluene	ND	1.0	99	98	1.0				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	98	99	1.0				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	102	91	11.4				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	108	95	12.8				70 - 130	30	
Trichloroethene	ND	1.0	100	100	0.0				70 - 130	30	
Trichlorofluoromethane	ND	1.0	90	94	4.3				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	87	89	2.3				70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	1.0	102	105	2.9				70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	100	96	4.1				70 - 130	30
% Bromofluorobenzene	91	%	100	95	5.1				70 - 130	30
% Dibromofluoromethane	99	%	81	92	12.7				70 - 130	30
% Toluene-d8	98	%	99	99	0.0				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 381130 (ug/L), QC Sample No: BX95399 (BX95399)

Volatiles - Water

1,1,1,2-Tetrachloroethane	ND	1.0	112	112	0.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	109	108	0.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	116	117	0.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	108	110	1.8				70 - 130	30
1,1-Dichloroethane	ND	1.0	109	109	0.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	106	104	1.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	105	105	0.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	89	92	3.3				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	113	113	0.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	94	94	0.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	107	106	0.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	117	114	2.6				70 - 130	30
1,2-Dibromoethane	ND	1.0	109	114	4.5				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	105	107	1.9				70 - 130	30
1,2-Dichloroethane	ND	1.0	114	113	0.9				70 - 130	30
1,2-Dichloropropane	ND	1.0	106	108	1.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	107	107	0.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	106	107	0.9				70 - 130	30
1,3-Dichloropropane	ND	1.0	108	110	1.8				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	106	106	0.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	115	114	0.9				70 - 130	30
2-Chlorotoluene	ND	1.0	108	107	0.9				70 - 130	30
2-Hexanone	ND	5.0	96	98	2.1				70 - 130	30
2-Isopropyltoluene	ND	1.0	108	109	0.9				70 - 130	30
4-Chlorotoluene	ND	1.0	107	106	0.9				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	99	100	1.0				70 - 130	30
Acetone	ND	5.0	93	92	1.1				70 - 130	30
Acrylonitrile	ND	5.0	109	105	3.7				70 - 130	30
Benzene	ND	0.70	104	104	0.0				70 - 130	30
Bromobenzene	ND	1.0	109	108	0.9				70 - 130	30
Bromochloromethane	ND	1.0	108	108	0.0				70 - 130	30
Bromodichloromethane	ND	0.50	115	114	0.9				70 - 130	30
Bromoform	ND	1.0	120	124	3.3				70 - 130	30
Bromomethane	ND	1.0	101	110	8.5				70 - 130	30
Carbon Disulfide	ND	1.0	103	103	0.0				70 - 130	30
Carbon tetrachloride	ND	1.0	111	111	0.0				70 - 130	30
Chlorobenzene	ND	1.0	105	105	0.0				70 - 130	30
Chloroethane	ND	1.0	107	107	0.0				70 - 130	30
Chloroform	ND	1.0	110	109	0.9				70 - 130	30
Chloromethane	ND	1.0	99	98	1.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	103	103	0.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	111	111	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GBX95344

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibromochloromethane	ND	0.50	120	121	0.8				70 - 130	30
Dibromomethane	ND	1.0	108	110	1.8				70 - 130	30
Dichlorodifluoromethane	ND	1.0	117	117	0.0				70 - 130	30
Ethylbenzene	ND	1.0	104	105	1.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	96	98	2.1				70 - 130	30
Isopropylbenzene	ND	1.0	105	106	0.9				70 - 130	30
m&p-Xylene	ND	1.0	105	104	1.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	100	103	3.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	121	120	0.8				70 - 130	30
Methylene chloride	ND	1.0	107	106	0.9				70 - 130	30
Naphthalene	ND	1.0	96	98	2.1				70 - 130	30
n-Butylbenzene	ND	1.0	108	107	0.9				70 - 130	30
n-Propylbenzene	ND	1.0	104	105	1.0				70 - 130	30
o-Xylene	ND	1.0	106	107	0.9				70 - 130	30
p-Isopropyltoluene	ND	1.0	106	106	0.0				70 - 130	30
sec-Butylbenzene	ND	1.0	109	108	0.9				70 - 130	30
Styrene	ND	1.0	107	108	0.9				70 - 130	30
tert-Butylbenzene	ND	1.0	106	107	0.9				70 - 130	30
Tetrachloroethene	ND	1.0	105	103	1.9				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	111	111	0.0				70 - 130	30
Toluene	ND	1.0	104	103	1.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	105	104	1.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	110	111	0.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	122	122	0.0				70 - 130	30
Trichloroethene	ND	1.0	104	103	1.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	107	107	0.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	101	101	0.0				70 - 130	30
Vinyl chloride	ND	1.0	107	107	0.0				70 - 130	30
% 1,2-dichlorobenzene-d4	103	%	101	101	0.0				70 - 130	30
% Bromofluorobenzene	102	%	102	103	1.0				70 - 130	30
% Dibromofluoromethane	101	%	102	100	2.0				70 - 130	30
% Toluene-d8	101	%	100	100	0.0				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%.

I = This parameter is outside laboratory LCS/LCSD 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
April 05, 2017

Wednesday, April 05, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBX95344 - 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

Analysis Comments

April 05, 2017 SDG I.D.: GBX95344

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM02 03/31/17-1: BX95399

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 26% (20%), Bromoform 30% (20%), Bromomethane 29% (20%), Dibromochloromethane 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.026 (0.05), 2-Hexanone 0.077 (0.1), 4-Methyl-2-pentanone 0.088 (0.1), Acetone 0.036 (0.1), Bromoform 0.088 (0.1), Methyl ethyl ketone 0.059 (0.1), Tetrahydrofuran (THF) 0.034 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 1,2,3-Trichlorobenzene 31%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.027 (0.05), Bromoform 0.097 (0.1), Tetrahydrofuran (THF) 0.038 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM17 03/29/17-1: BX95344, BX95345, BX95346, BX95347, BX95348, BX95349

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 34% (20%), Naphthalene 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.042 (0.05), Acetone 0.064 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.043 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 05, 2017

SDG I.D.: GBX95344

The samples in this delivery group were received at 3°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] 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:
[X] Email: a.gates@ctmale.com

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

Project: 16.6648 Jericho Southern parcel
Report to: Aimee Gates
Invoice to: Aimee Gates
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Brian Winne Date: 3/27/17

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	8 RCRA Metals	SVOCs EPA 8270 SPSI	VOCs EPA 8260	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
95344	GP 11	GW	3/27/17	1100	X	X	X				3	2			1		
95345	GP 10			1200	X	X	X				3	2			1		
95346	GP 12			1300	X	X	X				3	2			1		
95347	GP 7			1530	X	X	X				3	2			1		
95348	GP 8			1430	X	X	X				3	2			1		
95349	GP 9			1530	X	X	X				3	2			1		
95399	Trip Blank																

Relinquished by:	Accepted by:	Date:	Time:
Brian Winne		3/28/17	0800
		3/28	15:10
	M. Cornelius	3/28/17	17:10

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 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
[X] 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 F

NYSDEC Spill Closure Letter

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 I F: (518) 357-2460
www.dec.ny.gov

January 27, 2017

Cohoes Industrial Development Agency
c/o Michael Jacobson
Director of Economic & Community Development
City of Cohoes
97 Mohawk Street
Cohoes, NY 12047

RE: Spill # 1608645
NYS Canal Corp. Saratoga St.
339-363 Saratoga St
Cohoes, Albany County

Dear Mr. Jacobson:

On December 8, 2016 a spill was reported at the Property located at 339-363 Saratoga St., Cohoes, NY. The spill was reported after contamination was discovered during a subsurface investigation.

This letter is to inform you that the Department of Environmental Conservation has received the Limited Phase II Report prepared by C.T. Male Associates. Based on the information supplied in the report the Department has determined that no further action is required at the above referenced site. Please be aware that low levels of contamination do exist on site, however, due to the current use of the property the Department does not feel that further remediation is necessary. If there are any unforeseen changes with regards to this spill or property use in the future, you may be held liable for any further required cleanup and costs.

If you have any questions and/or comments, please feel free to contact me at (518) 357-2388.

Sincerely,

Josh Utberg
Environmental Program Specialist
Region 4, Schenectady

ec: Aimee Gates, C.T. Male Associates